



# TFL: Transport for London

SpotLog Dataset Book

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# SpotLog

SpotLog is an app and website for Trainspotters that runs on Android smartphones, iPhones and iPads. The SpotLog app allows you to record loco and unit numbers, keep a log of trains seen and mark the sightings off in the app's 'book' section. The SpotLog website includes a database of railway vehicles, including locomotives, carriages, multiple units, trams and metros. The data covers the UK and many European railway networks.

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<https://spotlog.org>

## About this document

This PDF document was generated from the SpotLog database on 6/7/2026.

SpotLog data is regularly updated, check the website for latest data and updates.

This PDF can be downloaded from <https://spotlog.org/loclist/pdf/fetch?setcode=TFL>

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# Codes

## Status

A	Active
C	Construction/On Order
D	Display
E	Exported / Overseas
H	On Hire
I	Industrial
M	Dismantled
N	Renumbered
O	Overhaul
P	Preserved
R	Restoration in progress
S	Stored
T	Testing/Crew Training
U	Unknown
V	Converted
W	Withdrawn
X	Scrapped
Z	Parts Donor

## Livery

~	ARC Southern. Later to Hanson Aggregates Ltd
~	PRE
~	Test
~	Static cafe seating. Was previously electrification works vehicles.
~	Roof section only
~	~
~	~
~	~
~	Steam Trust
~	Static cafe seating. Was previously electrification works vehicles.
059	Poppy appeal / Bombardier
DLR	Docklands Light Railway - Red and blue with grey doors and a black front
DLR	!!
DLRT	Docklands Light Railway - Turquoise & White
HEC	Heathrow Connect

HEC	Heathrow Connect - Silver Grey with Deep Blue window surrounds and Orange doors. Heathrow Connect branding.
LOG	London Overground - All over White with Blue lower stripe, Black window surrounds and Orange doors. London Overground branding.
LOG	London Overground
LOG	London Overground
LON	London Overground - Revised - Black upper bodyside with White, Orange and Blue lower side stripes & Orange doors
Met	Metropolitan Line
T25	25th Anniversary of TFL Blue and Red
TFL	Transport For London
TFL	LU
TFL	LUL
TFL	TFL - White with dark blue solebar and doors, with a yellow front
WM1	West Midlands Railway - Purple Gold doors & carriage ends. West Midlands Railway branding
XRL	Crossrail TfL - (BASE COLOURS) White with Blue doors and Blue lower body stripe
YEL	Yellow
YEL	Yellow

## Pool

Bak	Bakerloo Line
Cen	Central Line
Cir	Circle Line
Dis	District Line
EJHQ	West Midlands Trains - Headquarters
EKHQ	LONDON OVERGROUND NG HEADQUARTERS
EXHQ	CROSSRAIL IL 4 CAR UNITS
Jub	Jubilee Line
JUB	Diamond Jubilee - Various designs to celebrate Queen Elizabeth's Diamond Jubilee
MBEL	NON TOC VARIOUS PRIVATE OWNER - ELECTRIC LOCOS
Met	Metropolitan Line
Nth	Northern Line
NTH	Northumbria Rail
NTH	Northumbria Rail
Pic	Piccadilly Line
TROG	Rail Operations Group NPCSS
Vic	Victoria Line

## Owner

~	ARC Southern. Later to Hanson Aggregates Ltd
~	PRE
~	Test
~	Static cafe seating. Was previously electrification works vehicles.
~	Roof section only
~	~
~	~
~	Steam Trust
~	Static cafe seating. Was previously electrification works vehicles.
ANG	Angel Trains
ANG	Anglia Railways Turquoise Blue with a White Stripe
GCRE	Global Centre of Rail Excellence
PRE	Preservation Society
QWR	QW Rail Leasing
RSS	Rail Support Services grey
RSS	Railway Support Services
TFL	Transport For London
TFL	LU
TFL	LUL
TFL	TFL - White with dark blue solebar and doors, with a yellow front

## Depot

~	ARC Southern. Later to Hanson Aggregates Ltd
~	PRE
~	Test
~	Static cafe seating. Was previously electrification works vehicles.
~	Roof section only
~	~
~	~
~	Steam Trust
~	Static cafe seating. Was previously electrification works vehicles.
BR	Bristol Bath Road
BR	Bardon Roadstone
BR	British Rail
IL	Ilford
NG	New Cross Gate

OC	Old Oak Common
PR	Private Preservation Sites
PR	Preserved Location
TS	Tyseley
WN	Willesden
ZR	Holgate Works York

## Name field

\*\* Name no longer carried

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# TFL: Transport for London

Transport for London (TFL) operates overground and underground services in London and surrounding areas.

Fleet List : Rolling stock of TFL

Multiple units of TFL.

# Tube Stock

## 1962

Number	Form
2440	2440, 9441, 1441
2682	2682, 1682, 1681, 9125, 2406, 1406

## 1972

Bakerloo line



*MRG*

Builder	Metro-Cammell
System	750VDC 4 rail
Introduced	1972

Number	Form	Note
3229	3229, 4229, 4329, 3329	Mk1 1972 unit kept at Aldwych station. 3229+3329 scrapped

Tube Stock

3231	3231, 4231, 4331, 3331	
3232	3232, 4232, 4332, 3332	
3233	3233, 4233, 4333, 3333	3233 & 3333 now Track Recording Unit
3234	3234, 4234, 4334, 3334	
3235	3235, 4235, 4335, 3335	
3236	3236, 4236, 4336, 3336	
3237	3237, 4237, 4337, 3337	
3238	3238, 4238, 4338, 3338	
3239	3239, 4239, 4339, 3339	
3240	3240, 4240, 4340, 3340	
3241	3241, 4241, 4341, 3341	
3242	3242, 4242, 4342, 3342	
3243	3243, 4243, 4343, 3343	
3244	3244, 4244, 4344, 3344	
3245	3245, 4245, 4345, 3345	
3246	3246, 4246, 4346, 3346	
3247	3247, 4247, 4347, 3347	
3248	3248, 4248, 4348, 3348	
3250	3250, 4250, 4350, 3350	
3251	3251, 4251, 4351, 3351	
3252	3252, 4252, 4352, 3352	
3253	3253, 4253, 4353, 3353	
3254	3254, 4254, 4354, 3354	
3255	3255, 4255, 4355, 3355	
3256	3256, 4256, 4356, 3356	
3258	3258, 4258, 4358, 3358	
3259	3259, 4259, 4359, 3359	
3260	3260, 4260, 4360, 3360	
3261	3261, 4261, 4361, 3361	
3262	3262, 4262, 4362, 3362	
3263	3263, 4263, 4363, 3363	
3264	3264, 4264, 4364, 3364	
3265	3265, 4265, 4365, 3365	
3266	3266, 4266, 4366, 3366	
3267	3267, 4267, 4367, 3367	
3299	3299, 4299, 4399, 3399	3299 replaced 3249.
3431	3431, 4531, 3531	
3432	3432, 4532, 3532	
3433	3433, 4533, 3533	
3434	3434, 4534, 3534	
3435	3435, 4535, 3535	
3436	3436, 4536, 3536	

## Tube Stock

3437	3437, 4537, 3537	
3438	3438, 4538, 3538	
3440	3440, 4540, 3540	
3441	3441, 4541, 3541	
3442	3442, 4542, 3542	
3443	3443, 4543, 3543	
3444	3444, 4544, 3544	
3445	3445, 4545, 3545	
3446	3446, 4546, 3546	
3447	3447, 4547, 3547	
3448	3448, 4548, 3548	
3449	3449, 4549, 3549	
3450	3450, 4550, 3550	
3451	3451, 4551, 3551	3451 & 3551 now Track Recording Unit
3452	3452, 4552, 3552	
3453	3453, 4553, 3553	
3454	3454, 4554, 3554	
3455	3455, 4555, 3555	
3456	3456, 4556, 3556	
3457	3457, 4557, 3557	
3458	3458, 4558, 3558	
3459	3459, 4559, 3559	
3460	3460, 4560, 3560	
3461	3461, 4561, 3561	
3462	3462, 4562, 3562	
3463	3463, 4563, 3563	
3464	3464, 4564, 3564	
3465	3465, 4565, 3565	
3466	3466, 4566, 3566	
3467	3467, 4567, 3567	

# 1973

Piccadilly line



*MRG*

Builder	Metro-Cammell
System	750v DC 4 Rail
Introduced	1962

Number	Form	Note
100	100, 500, 300	
101	301, 501, 101	
102	102, 502, 302	
103	303, 503, 103	
104	104, 504, 304	
105	305, 505, 105	
106	106, 506, 306	
107	307, 507, 107	
108	108, 508, 308	
109	309, 509, 109	
110	110, 510, 310	
111	311, 511, 111	
112	112, 512, 312	
113	313, 513, 113	
114	W 314, 514, 114	114 was renumbered 896. 514 was converted to LUL's Track Recording Coach, no. TRC666.
115	315, 515, 115	
116	116, 516, 316	

## Tube Stock

117	317, 517, 117
118	118, 518, 318
119	319, 519, 119
120	120, 520, 320
121	321, 521, 121
122	122, 522, 322
123	323, 523, 123
124	124, 524, 324
125	325, 525, 125
126	126, 526, 326
127	327, 527, 127
128	128, 528, 328
129	329, 529, 129
130	130, 530, 330
131	331, 531, 131
132	132, 532, 332
133	333, 533, 133
134	134, 534, 334
135	335, 535, 135
136	136, 536, 336
137	337, 537, 137
138	138, 538, 338
139	339, 539, 139
140	140, 540, 340
141	341, 541, 141
142	142, 542, 342
143	343, 543, 143
144	144, 544, 344
145	345, 545, 145
146	146, 546, 346
147	347, 547, 147
148	148, 548, 348
149	349, 549, 149
150	150, 550, 350
151	351, 551, 151
152	152, 552, 352
153	353, 553, 153
154	154, 554, 354
155	355, 555, 155
156	156, 556, 356
157	357, 557, 157
158	158, 558, 358
159	359, 559, 159

## Tube Stock

160		160, 560, 360	
161		361, 561, 161	
162		162, 562, 362	
163		363, 563, 163	
164		164, 564, 364	
165		365, 565, 165	
166	X	166, 566, 366	166 was damaged in the terrorist attacks 07/07/2005.
167		367, 567, 167	
168		168, 568, 368	
169		369, 569, 169	
170		170, 570, 370	
171		371, 571, 171	
172		172, 572, 372	
173		373, 573, 173	
174		174, 574, 374	
175		375, 575, 175	
176		176, 576, 376	
177		377, 577, 177	
178		178, 578, 378	
179		379, 579, 179	
180		180, 580, 380	
181		381, 581, 181	
182		182, 582, 382	
183		383, 583, 183	
184		184, 584, 384	
185		385, 585, 185	
186		186, 586, 386	
187		387, 587, 187	
188		188, 588, 388	
189		389, 589, 189	
190		190, 590, 390	
191		391, 591, 191	
192		192, 592, 392	
193		393, 593, 193	
194		194, 594, 394	
195		395, 595, 195	
196		196, 596, 396	
197		397, 597, 197	
198		198, 598, 398	
199		399, 599, 199	
200		200, 600, 400	
201		401, 601, 201	

## Tube Stock

202	202, 602, 402
203	403, 603, 203
205	405, 605, 205
206	206, 606, 406
207	407, 607, 207
208	208, 608, 408
209	409, 609, 209
210	210, 610, 410
211	411, 611, 211
212	212, 612, 412
213	413, 613, 213
214	214, 614, 414
215	415, 615, 215
216	216, 616, 416
217	417, 617, 217
218	218, 618, 418
219	419, 619, 219
220	220, 620, 420
221	421, 621, 221
222	222, 622, 422
223	423, 623, 223
224	224, 624, 424
225	425, 625, 225
226	226, 626, 426
227	427, 627, 227
228	228, 628, 428
229	429, 629, 229
230	230, 630, 430
231	431, 631, 231
232	232, 632, 432
233	433, 633, 233
234	234, 634, 434
235	435, 635, 235
236	236, 636, 436
237	437, 637, 237
238	238, 638, 438
239	439, 639, 239
240	240, 640, 440
241	441, 641, 241
242	242, 642, 442
243	443, 643, 243
244	244, 644, 444
245	445, 645, 245

## Tube Stock

246	246, 646, 446
247	447, 647, 247
248	248, 648, 448
249	449, 649, 249
250	250, 650, 450
251	451, 651, 251
252	252, 652, 452
253	453, 653, 253

## 1973/2

Double ended units



*MRG*

Number	Form	Note
854	854, 654, 855	
856	856, 656, 857	
858	858, 658, 859	
860	860, 660, 861	
862	862, 662, 863	
864	864, 664, 865	
866	866, 666, 867	
868	868, 668, 869	
870	870, 670, 871	
872	872, 672, 873	
874	874, 674, 875	
876	876, 676, 877	
878	878, 678, 879	

## Tube Stock

880	880, 680, 881	
882	882, 682, 883	
884	884, 684, 885	
886	886, 686, 887	
888	888	688 and 889 have been reformed into set 896.
890	890, 690, 891	
892	892, 692, 893	
894	894, 694, 895	
896	896, 696, 897	896 is ex-114. 696 is ex-688. 897 is ex-889.

# 1992

## W&C

Ex-British Rail stock for the Waterloo and City line, transferred to Transport for London, 01/04/1994.

Waterloo and City line two-car units. Two units operate together for each train.

Formation	DM-NDM
System	630V DC Four rail
Builder	ABB Transportation, Derby
Introduced	1993

Number		Form
65501	<i>482501</i>	65501, 67501
65502	<i>482502</i>	67502, 65502
65503	<i>482503</i>	65503, 67503
65504	<i>482504</i>	67504, 65504
65505	<i>482505</i>	65505, 67505
65506	<i>482506</i>	67506, 65506
65507	<i>482507</i>	65507, 67507
65508	<i>482508</i>	67508, 65508
65509	<i>482509</i>	65509, 67509
65510	<i>482510</i>	67510, 65510

# 1992

Central Line



*Paul Furse*

London Underground 1992 tube stock in use on Central and Waterloo and City lines.

Central line trains are formed of four two-car units.

Builder	ABB
System	630V DC Four rail
Introduced	1992
Formation	DM-NDM

Number	Form
91001	91001, 92001
91003	91003, 92003
91005	91005, 92005
91007	91007, 92007
91009	91009, 92009
91011	91011, 92011
91013	91013, 92013
91015	91015, 92015
91017	91017, 92017
91019	91019, 92019
91021	91021, 92021
91023	91023, 92023
91025	91025, 92025
91027	91027, 92027
91029	91029, 92029
91031	91031, 92031

## Tube Stock

91033	91033, 92033
91035	91035, 92035
91037	91037, 92037
91039	91039, 92039
91041	91041, 92041
91043	91043, 92043
91045	91045, 92045
91047	91047, 92047
91049	91049, 92049
91051	91051, 92051
91053	91053, 92053
91055	91055, 92055
91057	91057, 92057
91059	91059, 92059
91061	91061, 92061
91063	91063, 92063
91065	91065, 92065
91067	91067, 92067
91069	91069, 92069
91071	91071, 92071
91073	91073, 92073
91075	91075, 92075
91077	91077, 92077
91079	91079, 92079
91081	91081, 92081
91083	91083, 92083
91085	91085, 92085
91087	91087, 92087
91089	91089, 92089
91091	91091, 92091
91093	91093, 92093
91095	91095, 92095
91097	91097, 92097
91099	91099, 92099
91101	91101, 92101
91103	91103, 92103
91105	91105, 92105
91107	91107, 92107
91109	91109, 92109
91111	91111, 92111
91113	91113, 92113
91115	91115, 92115
91117	91117, 92117

## Tube Stock

91119	91119, 92119
91121	91121, 92121
91123	91123, 92123
91125	91125, 92125
91127	91127, 92127
91129	91129, 92129
91131	91131, 92131
91133	91133, 92133
91135	91135, 92135
91137	91137, 92137
91139	91139, 92139
91141	91141, 92141
91143	91143, 92225
91145	91145, 92145
91147	91147, 92147
91149	91149, 92149
91151	91151, 92151
91153	91153, 92153
91155	91155, 92155
91157	91157, 92157
91159	91159, 92159
91161	91161, 92161
91163	91163, 92163
91165	91165, 92165
91167	91167, 92167
91169	91169, 92169
91171	91171, 92171
91173	91173, 92173
91175	91175, 92175
91177	91177, 92177
91179	91179, 92179
91181	91181, 92181
91183	91183, 92183
91185	91185, 92143
91187	91187, 92187
91189	91189, 92189
91191	91191, 92191
91193	91193, 92193
91195	91195, 92195
91197	91197, 92197
91199	91199, 92199
91201	91201, 92201
91203	91203, 92203

## Tube Stock

91205	91205, 92205
91207	91207, 92207
91209	91209, 92209
91211	91211, 92211
91213	91213, 92213
91215	91215, 92215
91217	91217, 92217
91219	91219, 92219
91221	91221, 92221
91223	91223, 92223
91225	91225, 92185
91227	91227, 92227
91229	91229, 92229
91231	91231, 92231
91233	91233, 92233
91235	91235, 92235
91237	91237, 92237
91239	91239, 92239
91241	91241, 92241
91243	91243, 92243
91245	91245, 92245
91247	91247, 92247
91249	91249, 92249
91251	91251, 92251
91253	91253, 92253
91255	91255, 92255
91257	91257, 92257
91259	91259, 92259
91261	91261, 92261
91263	91263, 92263
91265	91265, 92265
91267	91267, 92267
91269	91269, 92269
91271	91271, 92271
91273	91273, 92273
91275	91275, 92275
91277	91277, 92277
91279	91279, 92279
91281	91281, 92281
91283	91283, 92283
91285	91285, 92285
91287	91287, 92287
91289	91289, 92289

## Tube Stock

91291	91291, 92291
91293	91293, 92293
91295	91295, 92295
91297	91297, 92297
91299	91299, 92299
91301	91301, 92301
91303	91303, 92303
91305	91305, 92305
91307	91307, 92307
91309	91309, 92309
91311	91311, 92311
91313	91313, 92313
91315	91315, 92315
91317	91317, 92317
91319	91319, 92319
91321	91321, 92321
91323	91323, 92323
91325	91325, 92325
91327	91327, 92327
91329	91329, 92329
91331	91331, 92331
91333	91333, 92333
91335	91335, 92335
91337	91337, 92337
91339	91339, 92339
91341	91341, 92341
91343	91343, 92343
91345	91345, 92345
91347	91347, 92347
91349	91349, 92349
92002	92002, 93002
92004	92004, 93004
92006	92006, 93006
92008	92008, 93008
92010	92010, 93010
92012	92012, 93012
92014	92014, 93014
92016	92016, 93016
92018	92018, 93018
92020	92020, 93020
92022	92022, 93022
92024	92024, 93024
92026	92026, 93026

## Tube Stock

92028	92028, 93028
92030	92030, 93030
92032	92032, 93032
92034	92034, 93034
92036	92036, 93036
92038	92038, 93038
92040	92040, 93040
92042	92042, 93042
92044	92044, 93044
92046	92046, 93046
92048	92048, 93048
92050	92050, 93050
92052	92052, 93052
92054	92054, 93054
92056	92056, 93056
92058	92058, 93058
92060	92060, 93060
92062	92062, 93062
92064	92064, 93064
92066	92066, 93066
92068	92068, 93068
92070	92070, 93070
92072	92072, 93072
92074	92074, 93074
92076	92076, 93076
92078	92078, 93078
92080	92080, 93080
92082	92082, 93082
92084	92084, 93084
92086	92086, 93086
92088	92088, 93088
92090	92090, 93090
92092	92092, 93092
92094	92094, 93094
92096	92096, 93096
92098	92098, 93098
92100	92100, 93100
92102	92102, 93102
92104	92104, 93104
92106	92106, 93106
92108	92108, 93108
92110	92110, 93110
92112	92112, 93112

## Tube Stock

92114	92114, 93114
92116	92116, 93116
92118	92118, 93118
92120	92120, 93120
92122	92122, 93122
92124	92124, 93124
92126	92126, 93126
92128	92128, 93128
92130	92130, 93130
92132	92132, 93132
92134	92134, 93134
92136	92136, 93136
92138	92138, 93138
92140	92140, 93140
92142	92142, 93142
92144	92144, 93144
92146	92146, 93146
92148	92148, 93148
92150	92150, 93150
92152	92152, 93152
92154	92154, 93154
92156	92156, 93156
92158	92158, 93158
92160	92160, 93160
92162	92162, 93162
92164	92164, 93164
92166	92166, 93166
92168	92168, 93168
92170	92170, 93170
92172	92172, 93172
92174	92174, 93174
92176	92176, 93176
92178	92178, 93178
92180	92180, 93180
92182	92182, 93182
92184	92184, 93184
92186	92186, 93186
92188	92188, 93188
92190	92190, 93190
92192	92192, 93192
92194	92194, 93194
92196	92196, 93196
92198	92198, 93198

## Tube Stock

92200	92200, 93200
92202	92202, 93202
92204	92204, 93204
92206	92206, 93206
92208	92208, 93208
92210	92210, 93210
92212	92212, 93212
92214	92214, 93214
92216	92216, 93216
92218	92218, 93218
92220	92220, 93220
92222	92222, 93222
92224	92224, 93224
92226	92226, 93226
92228	92228, 93228
92230	92230, 93230
92232	92232, 93232
92234	92234, 93234
92236	92236, 93236
92238	92238, 93238
92240	92240, 93240
92242	92242, 93242
92244	92244, 93244
92246	92246, 93246
92248	92248, 93248
92250	92250, 93250
92252	92252, 93252
92254	92254, 93254
92256	92256, 93256
92258	92258, 93258
92260	92260, 93260
92262	92262, 93262
92264	92264, 93264
92266	92266, 93266
92402	92402, 93402
92404	92404, 93404
92406	92406, 93406
92408	92408, 93408
92410	92410, 93405
92412	92412, 93412
92414	92414, 93414
92416	92416, 93416
92418	92418, 93418

## Tube Stock

92420	92420, 93420
92422	92422, 93422
92424	92424, 93424
92426	92426, 93421
92428	92428, 93428
92430	92430, 93430
92432	92432, 93432
92434	92434, 93434
92436	92436, 93436
92438	92438, 93438
92440	92440, 93440
92442	92442, 93442
92444	92444, 93444
92446	92446, 93446
92448	92448, 93448
92450	92450, 93450
92452	92452, 93452
92454	92454, 93454
92456	92456, 93456
92458	92458, 93458
92460	92460, 93460
92462	92462, 93462
92464	92464, 93464

# 1995

Northern Line



*Paul Furse*

Builder	Alstom
Max Speed	100kph
System	750v DC 4 Rail
Introduced	1998

Number	Form
51501	51501, 52501, 53501
51502	53502, 52502, 51502
51503	51503, 52503, 53503
51504	53504, 52504, 51504
51505	51505, 52505, 53505
51506	53506, 52506, 51506
51507	51507, 52507, 53507
51508	53508, 52508, 51508
51509	51509, 52509, 53509
51510	53510, 52510, 51510
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51512	53512, 52512, 51512
51513	51513, 52513, 53513
51514	53514, 52514, 51514
51515	51515, 52515, 53515
51516	53516, 52516, 51516
51517	51517, 52517, 53517
51518	53518, 52518, 51518

## Tube Stock

51519	51519, 52519, 53519
51520	53520, 52520, 51520
51521	51521, 52521, 53521
51522	53522, 52522, 51522
51523	51523, 52523, 53523
51524	53524, 52524, 51524
51525	51525, 52525, 53525
51526	53526, 52526, 51526
51527	51527, 52527, 53527
51528	53528, 52528, 51528
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51558	53558, 52558, 51558
51559	51559, 52559, 53559
51560	53560, 52560, 51560
51561	51561, 52561, 53561

## Tube Stock

51562	53562, 52562, 51562
51563	51563, 52563, 53563
51564	53564, 52564, 51564
51565	51565, 52565, 53565
51566	53566, 52566, 51566
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51569	51569, 52569, 53569
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51571	51571, 52571, 53571
51572	53572, 52572, 51572
51573	51573, 52573, 53573
51574	53574, 52574, 51574
51575	51575, 52575, 53575
51576	53576, 52576, 51576
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51578	53578, 52578, 51578
51579	51579, 52579, 53579
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51581	51581, 52581, 53581
51582	53582, 52582, 51582
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51600	53600, 52600, 51600
51601	51601, 52601, 53601
51602	53602, 52602, 51602
51603	51603, 52603, 53603
51604	53604, 52604, 51604

## Tube Stock

51605	51605, 52605, 53605
51606	53606, 52606, 51606
51607	51607, 52607, 53607
51608	53608, 52608, 51608
51609	51609, 52609, 53609
51610	53610, 52610, 51610
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51612	53612, 52612, 51612
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51641	51641, 52641, 53641
51642	53642, 52642, 51642
51643	51643, 52643, 53643
51644	53644, 52644, 51644
51645	51645, 52645, 53645
51646	53646, 52646, 51646
51647	51647, 52647, 53647

## Tube Stock

51648	53648, 52648, 51648
51649	51649, 52649, 53649
51650	53650, 52650, 51650
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51686	53686, 52686, 51686
51701	51701, 52701, 53701
51702	53702, 52702, 51702
51703	51703, 52703, 53703
51704	53704, 52704, 51704

## Tube Stock

51705	51705, 52705, 53705
51706	53706, 52706, 51706
51707	51707, 52707, 53707
51708	53708, 52708, 51708
51709	51709, 52709, 53709
51710	53710, 52710, 51710
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51712	53712, 52712, 51712
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51718	53718, 52718, 51718
51719	51719, 52719, 53719
51720	53720, 52720, 51720
51721	51721, 52721, 53721
51722	53722, 52722, 51722
51723	51723, 52723, 53723
51724	53724, 52724, 51724
51725	51725, 52725, 53725
51726	53726, 52726, 51726

# 1996

Jubilee Line



Builder	Alstom
Max Speed	100kph
System	750 vDC, 4 rail
Introduced	1997

Number	Form
96001	96401, 96601, 96201, 96001
96002	96002, 96202, 96402
96003	96403, 96603, 96203, 96003
96004	96004, 96204, 96404
96005	96405, 96605, 96205, 96005
96006	96006, 96206, 96406
96007	96407, 96607, 96207, 96007
96008	96008, 96208, 96408
96009	96409, 96609, 96209, 96009
96010	96010, 96210, 96410
96011	96411, 96611, 96211, 96011
96012	96012, 96212, 96412
96013	96413, 96613, 96213, 96013
96014	96014, 96214, 96414
96015	96415, 96615, 96215, 96015
96016	96016, 96216, 96416

## Tube Stock

96017	96417, 96617, 96217, 96017
96018	96018, 96218, 96418
96019	96419, 96619, 96219, 96019
96020	96020, 96220, 96420
96021	96421, 96621, 96221, 96021
96022	96022, 96222, 96422
96023	96423, 96623, 96223, 96023
96024	96024, 96224, 96424
96025	96425, 96625, 96225, 96025
96026	96026, 96226, 96426
96027	96427, 96627, 96227, 96027
96028	96028, 96228, 96428
96029	96429, 96629, 96229, 96029
96030	96030, 96230, 96430
96031	96431, 96631, 96231, 96031
96032	96032, 96232, 96432
96033	96433, 96633, 96233, 96033
96034	96034, 96234, 96434
96035	96435, 96635, 96235, 96035
96036	96036, 96236, 96436
96037	96437, 96637, 96237, 96037
96038	96038, 96238, 96438
96039	96439, 96639, 96239, 96039
96040	96040, 96240, 96440
96041	96441, 96641, 96241, 96041
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96043	96443, 96643, 96243, 96043
96044	96044, 96244, 96444
96045	96445, 96645, 96245, 96045
96046	96046, 96246, 96446
96047	96447, 96647, 96247, 96047
96048	96048, 96248, 96448
96049	96449, 96649, 96249, 96049
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96051	96451, 96651, 96251, 96051
96052	96052, 96252, 96452
96053	96453, 96653, 96253, 96053
96054	96054, 96254, 96454
96055	96455, 96655, 96255, 96055
96056	96056, 96256, 96456
96057	96457, 96657, 96257, 96057
96058	96058, 96258, 96458
96059	96459, 96659, 96259, 96059

## Tube Stock

96060	96060, 96260, 96460
96061	96461, 96661, 96261, 96061
96062	96062, 96262, 96462
96063	96463, 96663, 96263, 96063
96064	96064, 96264, 96464
96065	96465, 96665, 96265, 96065
96066	96066, 96266, 96466
96067	96467, 96667, 96267, 96067
96068	96068, 96268, 96468
96069	96469, 96669, 96269, 96069
96070	96070, 96270, 96470
96071	96471, 96671, 96271, 96071
96072	96072, 96272, 96472
96073	96473, 96673, 96273, 96073
96074	96074, 96274, 96474
96075	96475, 96675, 96275, 96075
96076	96076, 96276, 96476
96077	96477, 96677, 96277, 96077
96078	96078, 96278, 96478
96079	96479, 96679, 96279, 96079
96080	96080, 96280, 96480
96081	96481, 96681, 96281, 96081
96082	96082, 96282, 96482
96083	96483, 96683, 96283, 96083
96084	96084, 96284, 96484
96085	96485, 96685, 96285, 96085
96086	96086, 96286, 96486
96087	96487, 96687, 96287, 96087
96088	96088, 96288, 96488
96089	96489, 96689, 96289, 96089
96090	96090, 96290, 96490
96091	96491, 96691, 96291, 96091
96092	96092, 96292, 96492
96093	96493, 96693, 96293, 96093
96094	96094, 96294, 96494
96095	96495, 96695, 96295, 96095
96096	96096, 96296, 96496
96097	96497, 96697, 96297, 96097
96098	96098, 96298, 96498
96099	96499, 96699, 96299, 96099
96100	96100, 96300, 96500
96101	96501, 96701, 96301, 96101
96102	96102, 96302, 96502

## Tube Stock

96103	96503, 96703, 96303, 96103
96104	96104, 96304, 96504
96105	96505, 96705, 96305, 96105
96106	96106, 96306, 96506
96107	96507, 96707, 96307, 96107
96108	96108, 96308, 96508
96109	96509, 96709, 96309, 96109
96110	96110, 96310, 96510
96111	96511, 96711, 96311, 96111
96112	96112, 96312, 96512
96113	96513, 96713, 96313, 96113
96114	96114, 96314, 96514
96115	96515, 96715, 96315, 96115
96116	96116, 96316, 96516
96117	96517, 96717, 96317, 96117
96118	96118, 96318, 96518
96119	96519, 96719, 96319, 96119
96120	96120, 96320, 96520
96121	96521, 96721, 96321, 96121
96122	96122, 96322, 96522
96123	96523, 96723, 96323, 96123
96124	96124, 96324, 96524
96125	96525, 96725, 96325, 96125
96126	96126, 96326, 96526

# 2009

Victoria Line



Builder	Bombardier
Max Speed	80kph
System	750 VDC
Introduced	2009

Number	Form
11001	14001, 13001, 12001, 11001
11002	11002, 12002, 13002, 14002
11003	14003, 13003, 12003, 11003
11004	11004, 12004, 13004, 14004
11005	14005, 13005, 12005, 11005
11006	11006, 12006, 13006, 14006
11007	14007, 13007, 12007, 11007
11008	11008, 12008, 13008, 14008
11009	14009, 13009, 12009, 11009
11010	11010, 12010, 13010, 14010
11011	14011, 13011, 12011, 11011
11012	11012, 12012, 13012, 14012
11013	14013, 13013, 12013, 11013
11014	11014, 12014, 13014, 14014
11015	14015, 13015, 12015, 11015
11016	11016, 12016, 13016, 14016
11017	14017, 13017, 12017, 11017
11018	11018, 12018, 13018, 14018
11019	14019, 13019, 12019, 11019

## Tube Stock

11020	11020, 12020, 13020, 14020
11021	14021, 13021, 12021, 11021
11022	11022, 12022, 13022, 14022
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11024	11024, 12024, 13024, 14024
11025	14025, 13025, 12025, 11025
11026	11026, 12026, 13026, 14026
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11028	11028, 12028, 13028, 14028
11029	14029, 13029, 12029, 11029
11030	11030, 12030, 13030, 14030
11031	14031, 13031, 12031, 11031
11032	11032, 12032, 13032, 14032
11033	14033, 13033, 12033, 11033
11034	11034, 12034, 13034, 14034
11035	14035, 13035, 12035, 11035
11036	11036, 12036, 13036, 14036
11037	14037, 13037, 12037, 11037
11038	11038, 12038, 13038, 14038
11039	14039, 13039, 12039, 11039
11040	11040, 12040, 13040, 14040
11041	14041, 13041, 12041, 11041
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11043	14043, 13043, 12043, 11043
11044	11044, 12044, 13044, 14044
11045	14045, 13045, 12045, 11045
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11047	14047, 13047, 12047, 11047
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11051	14051, 13051, 12051, 11051
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11057	14057, 13057, 12057, 11057
11058	11058, 12058, 13058, 14058
11059	14059, 13059, 12059, 11059
11060	11060, 12060, 13060, 14060
11061	14061, 13061, 12061, 11061
11062	11062, 12062, 13062, 14062

## Tube Stock

11063	14063, 13063, 12063, 11063
11064	11064, 12064, 13064, 14064
11065	14065, 13065, 12065, 11065
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11090	11090, 12090, 13090, 14090
11091	14091, 13091, 12091, 11091
11092	11092, 12092, 13092, 14092
11093	14093, 13093, 12093, 11093
11094	11094, 12094, 13094, 14094

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# 2024

New Tube for London (NTfL)

94 nine-car trains under construction for Picadilly line. Expected to enter service in 2025

Train formation : DM-IM-KM-IM-KM-IM-KM-IM-DM

- DM = Driving Motor Car
- IM = Intermediate Car (Intermediate cars do not have bogies)
- KM = Key Motor Car

## Tube Stock

Units 38071 to 38094 are de-icing units with additional de-icing equipment mounted on the centre KM car.

System	630V DC Four rail
Length	113.7m
Width	2.648 m
Height	2.844 m
Builder	Siemens Mobility
Power	2.5 MW
Max Speed	100 km/h
Seats	256
Formation	DM-IM-KM-IM-KM-IM-KM-IM-DM

Number	Form
38001	38001, 39001, 40001, 41001, 42001, 45001, 46001, 47001, 48001
38002	38002, 39002, 40002, 41002, 42002, 45002, 46002, 47002, 48002
38003	38003, 39003, 40003, 41003, 42003, 45003, 46003, 47003, 48003
38004	38004, 39004, 40004, 41004, 42004, 45004, 46004, 47004, 48004
38005	38005, 39005, 40005, 41005, 42005, 45005, 46005, 47005, 48005
38006	38006, 39006, 40006, 41006, 42006, 45006, 46006, 47006, 48006
38007	38007, 39007, 40007, 41007, 42007, 45007, 46007, 47007, 48007
38008	38008, 39008, 40008, 41008, 42008, 45008, 46008, 47008, 48008
38009	38009, 39009, 40009, 41009, 42009, 45009, 46009, 47009, 48009
38010	38010, 39010, 40010, 41010, 42010, 45010, 46010, 47010, 48010
38011	38011, 39011, 40011, 41011, 42011, 45011, 46011, 47011, 48011
38012	38012, 39012, 40012, 41012, 42012, 45012, 46012, 47012, 48012
38013	38013, 39013, 40013, 41013, 42013, 45013, 46013, 47013, 48013
38014	38014, 39014, 40014, 41014, 42014, 45014, 46014, 47014, 48014
38015	38015, 39015, 40015, 41015, 42015, 45015, 46015, 47015, 48015
38016	38016, 39016, 40016, 41016, 42016, 45016, 46016, 47016, 48016
38017	38017, 39017, 40017, 41017, 42017, 45017, 46017, 47017, 48017
38018	38018, 39018, 40018, 41018, 42018, 45018, 46018, 47018, 48018
38019	38019, 39019, 40019, 41019, 42019, 45019, 46019, 47019, 48019
38020	38020, 39020, 40020, 41020, 42020, 45020, 46020, 47020, 48020
38021	38021, 39021, 40021, 41021, 42021, 45021, 46021, 47021, 48021
38022	38022, 39022, 40022, 41022, 42022, 45022, 46022, 47022, 48022
38023	38023, 39023, 40023, 41023, 42023, 45023, 46023, 47023, 48023
38024	38024, 39024, 40024, 41024, 42024, 45024, 46024, 47024, 48024
38025	38025, 39025, 40025, 41025, 42025, 45025, 46025, 47025, 48025
38026	38026, 39026, 40026, 41026, 42026, 45026, 46026, 47026, 48026
38027	38027, 39027, 40027, 41027, 42027, 45027, 46027, 47027, 48027
38028	38028, 39028, 40028, 41028, 42028, 45028, 46028, 47028, 48028

## Tube Stock

38029	38029, 39029, 40029, 41029, 42029, 45029, 46029, 47029, 48029
38030	38030, 39030, 40030, 41030, 42030, 45030, 46030, 47030, 48030
38031	38031, 39031, 40031, 41031, 42031, 45031, 46031, 47031, 48031
38032	38032, 39032, 40032, 41032, 42032, 45032, 46032, 47032, 48032
38033	38033, 39033, 40033, 41033, 42033, 45033, 46033, 47033, 48033
38034	38034, 39034, 40034, 41034, 42034, 45034, 46034, 47034, 48034
38035	38035, 39035, 40035, 41035, 42035, 45035, 46035, 47035, 48035
38036	38036, 39036, 40036, 41036, 42036, 45036, 46036, 47036, 48036
38037	38037, 39037, 40037, 41037, 42037, 45037, 46037, 47037, 48037
38038	38038, 39039, 40040, 41041, 42042, 45045, 46046, 47047, 48048
38039	38039, 39039, 40039, 41039, 42039, 45039, 46039, 47039, 48039
38040	38040, 39040, 40040, 41040, 42040, 45040, 46040, 47040, 48040
38041	38041, 39041, 40041, 41041, 42041, 45041, 46041, 47041, 48041
38042	38042, 39042, 40042, 41042, 42042, 45042, 46042, 47042, 48042
38043	38043, 39043, 40043, 41043, 42043, 45043, 46043, 47043, 48043
38044	38044, 39044, 40044, 41044, 42044, 45044, 46044, 47044, 48044
38045	38045, 39045, 40045, 41045, 42045, 45045, 46045, 47045, 48045
38046	38046, 39046, 40046, 41046, 42046, 45046, 46046, 47046, 48046
38047	38047, 39047, 40047, 41047, 42047, 45047, 46047, 47047, 48047
38048	38048, 39048, 40048, 41048, 42048, 45048, 46048, 47048, 48048
38049	38049, 39049, 40049, 41049, 42049, 45049, 46049, 47049, 48049
38050	38050, 39050, 40050, 41050, 42050, 45050, 46050, 47050, 48050
38051	38051, 39051, 40051, 41051, 42051, 45051, 46051, 47051, 48051
38052	38052, 39052, 40052, 41052, 42052, 45052, 46052, 47052, 48052
38053	38053, 39053, 40053, 41053, 42053, 45053, 46053, 47053, 48053
38054	38054, 39054, 40054, 41054, 42054, 45054, 46054, 47054, 48054
38055	38055, 39055, 40055, 41055, 42055, 45055, 46055, 47055, 48055
38056	38056, 39056, 40056, 41056, 42056, 45056, 46056, 47056, 48056
38057	38057, 39057, 40057, 41057, 42057, 45057, 46057, 47057, 48057
38058	38058, 39058, 40058, 41058, 42058, 45058, 46058, 47058, 48058
38059	38059, 39059, 40059, 41059, 42059, 45059, 46059, 47059, 48059
38060	38060, 39060, 40060, 41060, 42060, 45060, 46060, 47060, 48060
38061	38061, 39061, 40061, 41061, 42061, 45061, 46061, 47061, 48061
38062	38062, 39062, 40062, 41062, 42062, 45062, 46062, 47062, 48062
38063	38063, 39063, 40063, 41063, 42063, 45063, 46063, 47063, 48063
38064	38064, 39064, 40064, 41064, 42064, 45064, 46064, 47064, 48064
38065	38065, 39065, 40065, 41065, 42065, 45065, 46065, 47065, 48065
38066	38066, 39066, 40066, 41066, 42066, 45066, 46066, 47066, 48066
38067	38067, 39067, 40067, 41067, 42067, 45067, 46067, 47067, 48067
38068	38068, 39068, 40068, 41068, 42068, 45068, 46068, 47068, 48068
38069	38069, 39069, 40069, 41069, 42069, 45069, 46069, 47069, 48069
38070	38070, 39070, 40070, 41070, 42070, 45070, 46070, 47070, 48070
38071	38071, 39071, 40071, 41071, 42071, 45071, 46071, 47071, 48071

## Tube Stock

38072	38072, 39072, 40072, 41072, 42072, 45072, 46072, 47072, 48072
38073	38073, 39073, 40073, 41073, 42073, 45073, 46073, 47073, 48073
38074	38074, 39074, 40074, 41074, 42074, 45074, 46074, 47074, 48074
38075	38075, 39075, 40075, 41075, 42075, 45075, 46075, 47075, 48075
38076	38076, 39076, 40076, 41076, 42076, 45076, 46076, 47076, 48076
38077	38077, 39077, 40077, 41077, 42077, 45077, 46077, 47077, 48077
38078	38078, 39078, 40078, 41078, 42078, 45078, 46078, 47078, 48078
38079	38079, 39079, 40079, 41079, 42079, 45079, 46079, 47079, 48079
38080	38080, 39080, 40080, 41080, 42080, 45080, 46080, 47080, 48080
38081	38081, 39081, 40081, 41081, 42081, 45081, 46081, 47081, 48081
38082	38082, 39082, 40082, 41082, 42082, 45082, 46082, 47082, 48082
38083	38083, 39083, 40083, 41083, 42083, 45083, 46083, 47083, 48083
38084	38084, 39084, 40084, 41084, 42084, 45084, 46084, 47084, 48084
38085	38085, 39085, 40085, 41085, 42085, 45085, 46085, 47085, 48085
38086	38086, 39086, 40086, 41086, 42086, 45086, 46086, 47086, 48086
38087	38087, 39087, 40087, 41087, 42087, 45087, 46087, 47087, 48087
38088	38088, 39088, 40088, 41088, 42088, 45088, 46088, 47088, 48088
38089	38089, 39089, 40089, 41089, 42089, 45089, 46089, 47089, 48089
38090	38090, 39090, 40090, 41090, 42090, 45090, 46090, 47090, 48090
38091	38091, 39091, 40091, 41091, 42091, 45091, 46091, 47091, 48091
38092	38092, 39092, 40092, 41092, 42092, 45092, 46092, 47092, 48092
38093	38093, 39093, 40093, 41093, 42093, 45093, 46093, 47093, 48093
38094	38094, 39094, 40094, 41094, 42094, 45094, 46094, 47094, 48094

# Sub-Surface Stock

## C69/77



*Paul Furse*

Builder	Metro-Cammell
Introduced	1970
Withdrawn	2014

Number	Form	Base
5516	W 5516, 6516	
5517	W 5517, 6517	
5522	W 5522, 6522	
5524	W 5524, 6524	
5529	W 5529, 6529	
5531	W 5531, 6531	
5545	W 5545, 6545	
5546	W 5546, 6546	
5549	W 5549, 6549	
5550	W 5550, 6550	
5551	W 5551, 6551	
5552	W 5552, 6552	
5555	W 5555, 6555	
5560	W 5560, 6560	

## Sub-Surface Stock

5565	W	5565, 6565	
5570	W	5570, 6570	
5578	W	5578, 6578	
5580	W	5580, 6580	
5592	W	5592, 6592	
5594	W	5594, 6594	
5596	W	5596, 6596	
5598	W	5598, 6598	
5712	W	5712, 6712	
5720 <sup>(1)</sup>	W	5720, 6720	Plumcroft Primary School
5721	W	5721, 6721	
5726	W	5726, 6726	
5727	W	5727, 6727	
5729	W	5729, 6729	
5733	W	5733, 6733	

### Notes

1: Grounded body of 5720 only

## D78



*MRG*

D78 units "D stock" were introduced in 1980 and operated on the District Line until withdrawal in 2016-2017.

Builder

Metro-Cammell

## Sub-Surface Stock

Introduced	1980
Withdrawn	(2016)
System	630 V DC 4 rail

Number	Form	Note
7000	W 7000, 17000, 8000	
7001	W 8001, 17001, 7001	Withdrawn 07/08/2015.
7002	W 7002, 17002, 8002	
7003	W 8003, 17003, 7003	
7004	W 7004, 17004, 8004	
7005	W 8005, 17005, 7005	
7006	W 7006, 17006, 8006	
7007	8007, 17007, 7007	
7008	W 7008, 17008, 8008	Withdrawn 10/08/2015.
7009	W 8009, 17009, 7009	
7010	W 7010, 17010, 8010	Withdrawn 04/06/2015.
7011	W 8011, 17011, 7011	
7012	7012, 17012, 8012	
7013	W 8013, 17013, 7013	
7014	W 7014, 17014, 8014	
7015	W 8015, 17015, 7015	
7016	7016, 17016, 8016	
7017	W 8017, 17017, 7017	
7018	7018, 17018, 8018	
7019	W 8019, 17019, 7019	
7020	W 7020, 17020, 8020	
7021	W 8021, 17021, 7021	
7022	W 7022, 17022, 8022	
7023	W 8023, 17023, 7023	Withdrawn 21/06/2015.
7024	W 7024, 17024, 8024	
7025	W 8025, 17025, 7025	Withdrawn 31/01/2015.
7026	W 7026, 17026, 8026	
7027	W 8027, 17027, 7027	
7028	W 7028, 17028, 8028	
7029	W 8029, 17029, 7029	Withdrawn 14/08/2015.
7030	7030, 17030, 8030	
7031	W 8031, 17031, 7031	
7032	7032, 17032, 8032	
7033	W 8033, 17033, 7033	
7034	7034, 17034, 8034	

Sub-Surface Stock

7035	W	8035, 17035, 7035	Withdrawn 10/08/2015. 17035 and 17077 exchanged numbers in 1994.
7036	W	7036, 17036, 8036	
7037		8037, 17037, 7037	
7038	W	7038, 17038, 8038	
7039	W	8039, 17039, 7039	Withdrawn 14/08/2015.
7040	W	7040, 17040, 8040	
7041	W	8041, 17041, 7041	Withdrawn 14/08/2015.
7042	W	7042, 17042, 8042	
7043	W	8043, 17043, 7043	
7044	W	7044, 17044, 8044	
7045	W	8045, 17045, 7045	Withdrawn 09/05/2015.
7046		7046, 17046, 8046	
7047	W	8047, 17047, 7047	
7048	W	7048, 17048, 8048	
7049	W	8049, 17049, 7049	Withdrawn 28/06/2015.
7050	W	7050, 17050, 8050	
7051	W	8051, 17051, 7051	
7052	W	7052, 17052, 8052	
7053	W	8053, 17053, 7053	
7054	W	7054, 17054, 8054	Withdrawn 09/05/2015.
7055	W	8055, 17055, 7055	Withdrawn 13/06/2015.
7056	W	7056, 17056, 8056	
7057		8057, 17057, 7057	
7058	W	7058, 17058, 8058	Withdrawn 16/01/2015.
7059	W	8059, 17059, 7059	Withdrawn 07/06/2015.
7060	W	7060, 17060, 8060	Withdrawn 07/08/2015.
7061	W	8061, 17061, 7061	
7062	W	7062, 17062, 8062	
7063	W	8063, 17063, 7063	
7064	W	7064, 17064, 8064	Withdrawn 02/10/2015.
7065	W	8065, 17065, 7065	
7066	W	7066, 17066, 8066	Withdrawn 13/06/2015.
7067	W	8067, 17067, 7067	
7068	W	7068, 17068, 8068	Withdrawn 25/10/2015.
7069	W	8069, 17069, 7069	Withdrawn 10/05/2015.
7070		7070, 17070, 8070	
7071	W	8071, 17071, 7071	
7072	W	7072, 17072, 8072	Withdrawn 14/08/2015.
7073	W	8073, 17073, 7073	
7074	W	7074, 17074, 8074	
7075		8075, 17075, 7075	

Sub-Surface Stock

7076	W	7076, 17076, 8076	
7077	W	8077, 17077, 7077	Withdrawn 06/09/2015. 17077 and 17035 exchanged numbers in 1994.
7078	W	7078, 17078, 8078	Withdrawn 28/06/2015.
7079	W	8079, 17079, 7079	
7080	W	7080, 17080, 8080	
7081	W	8081, 17081, 7081	
7082	W	7082, 17082, 8082	
7083	W	8083, 17083, 7083	
7084	W	7084, 17084, 8084	
7085	W	8085, 17085, 7085	
7086	W	7086, 17086, 8086	
7087	W	8087, 17087, 7087	Withdrawn 18/04/2015.
7088	W	7088, 17088, 8088	
7089	W	8089, 17089, 7089	
7090	W	7090, 17090, 8090	Withdrawn 13/06/2015.
7091	W	8091, 17091, 7091	
7092	W	7092, 17092, 8092	
7093	W	8093, 17093, 7093	
7094	W	7094, 17094, 8094	
7095		8095, 17095, 7095	
7096	W	7096, 17096, 8096	Withdrawn 21/06/2015.
7097	W	8097, 17097, 7097	
7098	W	7098, 17098, 8098	
7099	W	8099, 17099, 7099	
7100	W	7100, 17100, 8100	
7101	W	8101, 17101, 7101	
7102	W	7102, 17102, 8102	Withdrawn 22/10/2015.
7103	W	8103, 17103, 7103	
7104	W	7104, 17104, 8104	
7105	W	8105, 17105, 7105	
7106	W	7106, 17106, 8106	
7107	W	8107, 17107, 7107	
7108	W	7108, 17108, 8108	
7109	W	8109, 17109, 7109	
7110	W	7110, 17110, 8110	
7111	W	8111, 17111, 7111	
7112	W	7112, 17112, 8112	Withdrawn 06/09/2015.
7113	W	8113, 17113, 7113	
7114	W	7114, 17114, 8114	
7115		8115, 17115, 7115	
7116	W	7116, 17116, 8116	

## Sub-Surface Stock

7117	W	8117, 17117, 7117	
7118	W	7118, 17118, 8118	Withdrawn 14/08/2015.
7119	W	8119, 17119, 7119	
7120	W	7120, 17120, 8120	Withdrawn 08/06/2015.
7121	W	8121, 17121, 7121	
7122	W	7122, 17122, 8122	Withdrawn 07/08/2015.
7123	W	8123, 17123, 7123	Withdrawn 04/06/2015.
7124	W	7124, 17124, 8124	
7125	W	8125, 17125, 7125	Withdrawn 07/08/2015.
7126	W	7126, 17126, 8126	
7127	W	8127, 17127, 7127	
7128	W	7128, 17128, 8128	
7129	W	8129, 17129, 7129	
7500	W	7500, 17500, 7501	7501 Preserved at Ecclesbourne Valley Railway
7502		7502, 17502, 7503	
7504	W	7504, 17504, 7505	
7506	W	7506, 17506, 7507	
7508	W	7508, 17508, 7509	
7510	W	7510, 17510, 7511	
7512		7512, 17512, 7513	
7514	W	7514, 17514, 7515	
7516	W	7516, 17516, 7517	
7518	W	7518, 17518, 7519	
7521	W	7520, 17520, 7521	Withdrawn 10/08/2015.
7523	W	7522, 17522, 7523	Withdrawn 13/06/2015.
7525	W	7524, 17524, 7525	
7527		7526, 17526, 7527	
7529	W	7528, 17528, 7529	
7531		7530, 17530, 7531	
7533		7532, 17532, 7533	
7535		7534, 17534, 7535	
7537	W	7536, 17536, 7537	
7539	W	7538, 17538, 7539	

# S7

Circle and District



*MRG*

Builder	Bombardier
Max Speed	100kph
System	750v DC 4 Rail
Introduced	2012

Number	Form	Livery
21301	21301, 22301, 24301, 24302, 25302, 22302, 21302	059
21303	21303, 22303, 24303, 24304, 25304, 22304, 21304	
21305	21305, 22305, 24305, 24306, 25306, 22306, 21306	
21307	21307, 22307, 24307, 24308, 25308, 22308, 21308	
21309	21309, 22309, 24309, 24310, 25310, 22310, 21310	
21311	21311, 22311, 24311, 24312, 25312, 22312, 21312	
21313	21313, 22313, 24313, 24314, 25314, 22314, 21314	
21315	21315, 22315, 24315, 24316, 25316, 22316, 21316	
21317	21317, 22317, 24317, 24318, 25318, 22318, 21318	
21319	21319, 22319, 24319, 24320, 25320, 22320, 21320	

## Sub-Surface Stock

21321	21321, 22321, 24321, 24322, 25322, 22322, 21322
21323	21323, 22323, 24323, 24324, 25324, 22324, 21324
21325	21325, 22325, 24325, 24326, 25326, 22326, 21326
21327	21327, 22327, 24327, 24328, 25328, 22328, 21328
21329	21329, 22329, 24329, 24330, 25330, 22330, 21330
21331	21331, 22331, 24331, 24332, 25332, 22332, 21332
21333	21333, 22333, 24333, 24334, 25334, 22334, 21334
21335	21335, 22335, 24335, 24336, 25336, 22336, 21336
21337	21337, 22337, 24337, 24338, 25338, 22338, 21338
21339	21339, 22339, 24339, 24340, 25340, 22340, 21340
21341	21341, 22341, 24341, 24342, 25342, 22342, 21342
21343	21343, 22343, 24343, 24344, 25344, 22344, 21344
21345	21345, 22345, 24345, 24346, 25346, 22346, 21346
21347	21347, 22347, 24347, 24348, 25348, 22348, 21348
21349	21349, 22349, 24349, 24350, 25350, 22350, 21350
21351	21351, 22351, 24351, 24352, 25352, 22352, 21352
21353	21353, 22353, 24353, 24354, 25354, 22354, 21354
21355	21355, 22355, 24355, 24356, 25356, 22356, 21356
21357	21357, 22357, 24357, 24358, 25358, 22358, 21358
21359	21359, 22359, 24359, 24360, 25360, 22360, 21360
21361	21361, 22361, 24361, 24362, 25362, 22362, 21362
21363	21363, 22363, 24363, 24364, 25364, 22364, 21364

## Sub-Surface Stock

21365	21365, 22365, 24365, 24366, 25366, 22366, 21366
21367	21367, 22367, 24367, 24368, 25368, 22368, 21368
21369	21369, 22369, 24369, 24370, 25370, 22370, 21370
21371	21371, 22371, 24371, 24372, 25372, 22372, 21372
21373	21373, 22373, 24373, 24374, 25374, 22374, 21374
21375	21375, 22375, 24375, 24376, 25376, 22376, 21376
21377	21377, 22377, 24377, 24378, 25378, 22378, 21378
21379	21379, 22379, 24379, 24380, 25380, 22380, 21380
21381	21381, 22381, 24381, 24382, 25382, 22382, 21382
21383	21383, 22383, 24383, 24384, 23384, 22384, 21384
21385	21385, 22385, 24385, 24386, 23386, 22386, 21386
21387	21387, 22387, 24387, 24388, 23388, 22388, 21388
21389	21389, 22389, 24389, 24390, 23390, 22390, 21390
21391	21391, 22391, 24391, 24392, 23392, 22392, 21392
21393	21393, 22393, 24393, 24394, 23394, 22394, 21394
21395	21395, 22395, 24395, 24396, 23396, 22396, 21396
21397	21397, 22397, 24397, 24398, 23398, 22398, 21398
21399	21399, 22399, 24399, 24400, 23400, 22400, 21400
21401	21401, 22401, 24401, 24402, 23402, 22402, 21402
21403	21403, 22403, 24403, 24404, 23404, 22404, 21404
21405	21405, 22405, 24405, 24406, 23406, 22406, 21406
21407	21407, 22407, 24407, 24408, 23408, 22408, 21408

## Sub-Surface Stock

21409	21409, 22409, 24409, 24410, 23410, 22410, 21410
21411	21411, 22411, 24411, 24412, 23412, 22412, 21412
21413	21413, 22413, 24413, 24414, 23414, 22414, 21414
21415	21415, 22415, 24415, 24416, 23416, 22416, 21416
21417	21417, 22417, 24417, 24418, 23418, 22418, 21418
21419	21419, 22419, 24419, 24420, 23420, 22420, 21420
21421	21421, 22421, 24421, 24422, 23422, 22422, 21422
21423	21423, 22423, 24423, 24424, 23424, 22424, 21424
21425	21425, 22425, 24425, 24426, 23426, 22426, 21426
21427	21427, 22427, 24427, 24428, 23428, 22428, 21428
21429	21429, 22429, 24429, 24430, 23430, 22430, 21430
21431	21431, 22431, 24431, 24432, 23432, 22432, 21432
21433	21433, 22433, 24433, 24434, 23434, 22434, 21434
21435	21435, 22435, 24435, 24436, 23436, 22436, 21436
21437	21437, 22437, 24437, 24438, 23438, 22438, 21438
21439	21439, 22439, 24439, 24440, 23440, 22440, 21440
21441	21441, 22441, 24441, 24442, 23442, 22442, 21442
21443	21443, 22443, 24443, 24444, 23444, 22444, 21444
21445	21445, 22445, 24445, 24446, 23446, 22446, 21446
21447	21447, 22447, 24447, 24448, 23448, 22448, 21448
21449	21449, 22449, 24449, 24450, 23450, 22450, 21450
21451	21451, 22451, 24451, 24452, 23452, 22452, 21452
21453	21453, 22453, 24453, 24454, 23454, 22454, 21454

## Sub-Surface Stock

21455		21455, 22455, 24455, 24456, 23456, 22456, 21456
21457		21457, 22457, 24457, 24458, 23458, 22458, 21458
21459		21459, 22459, 24459, 24460, 23460, 22460, 21460
21461		21461, 22461, 24461, 24462, 23462, 22462, 21462
21463		21463, 22463, 24463, 24464, 23464, 22464, 21464
21465		21465, 22465, 24465, 24466, 23466, 22466, 21466
21467	○	21467, 22467, 24467, 24468, 23468, 22468, 21468
21469		21469, 22469, 24469, 24470, 23470, 22470, 21470
21471		21471, 22471, 24471, 24472, 23472, 22472, 21472
21473		21473, 22473, 24473, 24474, 23474, 22474, 21474
21475		21475, 22475, 24475, 24476, 23476, 22476, 21476
21477		21477, 22477, 24477, 24478, 23478, 22478, 21478
21479		21479, 22479, 24479, 24480, 23480, 22480, 21480
21481		21481, 22481, 24481, 24482, 23482, 22482, 21482
21483		21483, 22483, 24483, 24484, 23484, 22484, 21484
21485		21485, 22485, 24485, 24486, 23486, 22486, 21486
21487		21487, 22487, 24487, 24488, 23488, 22488, 21488
21489		21489, 22489, 24489, 24490, 23490, 22490, 21490
21491		21491, 22491, 24491, 24492, 23492, 22492, 21492
21493		21493, 22493, 24493, 24494, 23494, 22494, 21494
21495		21495, 22495, 24495, 24496, 23496, 22496, 21496
21497		21497, 22497, 24497, 24498, 23498, 22498, 21498

## Sub-Surface Stock

21499	21499, 22499, 24499, 24500, 23500, 22500, 21500
21501	21501, 22501, 24501, 24502, 23502, 22502, 21502
21503	21503, 22503, 24503, 24504, 23504, 22504, 21504
21505	21505, 22505, 24505, 24506, 23506, 22506, 21506
21507	21507, 22507, 24507, 24508, 23508, 22508, 21508
21509	21509, 22509, 24509, 24510, 23510, 22510, 21510
21511	21511, 22511, 24511, 24512, 23512, 22512, 21512
21513	21513, 22513, 24513, 24514, 23514, 22514, 21514
21515	21515, 22515, 24515, 24516, 23516, 22516, 21516
21517	21517, 22517, 24517, 24518, 23518, 22518, 21518
21519	21519, 22519, 24519, 24520, 23520, 22520, 21520
21521	21521, 22521, 24521, 24522, 23522, 22522, 21522
21523	21523, 22523, 24523, 24524, 23524, 22524, 21524
21525	21525, 22525, 24525, 24526, 23526, 22526, 21526
21527	21527, 22527, 24527, 24528, 23528, 22528, 21528
21529	21529, 22529, 24529, 24530, 23530, 22530, 21530
21531	21531, 22531, 24531, 24532, 23532, 22532, 21532
21533	21533, 22533, 24533, 24534, 23534, 22534, 21534
21535	21535, 22535, 24535, 24536, 23536, 22536, 21536
21537	21537, 22537, 24537, 24538, 23538, 22538, 21538
21539	21539, 22539, 24539, 24540, 23540, 22540, 21540
21541	21541, 22541, 24541, 24542, 23542, 22542, 21542
21543	21543, 22543, 24543, 24544, 23544, 22544, 21544
21545	21545, 22545, 24545, 24546, 23546, 22546, 21546

## Sub-Surface Stock

21547	O	21547, 22547, 24547, 24548, 23548, 22548, 21548
21549		21549, 22549, 24549, 24550, 23550, 22550, 21550
21551		21551, 22551, 24551, 24552, 23552, 22552, 21552
21553		21553, 22553, 24553, 24554, 23554, 22554, 21554
21555		21555, 22555, 24555, 24556, 23556, 22556, 21556
21557		21557, 22557, 24557, 24558, 23558, 22558, 21558
21559		21559, 22559, 24559, 24560, 23560, 22560, 21560
21561		21561, 22561, 24561, 24562, 23562, 22562, 21562
21563		21563, 22563, 24563, 24564, 23564, 22564, 21564
21565		21565, 22565, 24565, 24566, 23566, 22566, 21566
21567		21567, 22567, 24567, 24568, 23568, 22568, 21568

# S8

Metropolitan



MRG

Builder

Bombardier

## Sub-Surface Stock

Max Speed	100 kph
System	750 VDC 4 rail
Introduced	2010

Number	Form
21002	21002, 22002, 25002, 24002, 24001, 23001, 22001, 21001
21004	21004, 22004, 25004, 24004, 24003, 23003, 22003, 21003
21006	21006, 22006, 25006, 24006, 24005, 23005, 22005, 21005
21008	21008, 22008, 25008, 24008, 24007, 23007, 22007, 21007
21010	21010, 22010, 25010, 24010, 24009, 23009, 22009, 21009
21012	21012, 22012, 25012, 24012, 24011, 23011, 22011, 21011
21014	21014, 22014, 25014, 24014, 24013, 23013, 22013, 21013
21016	21016, 22016, 25016, 24016, 24015, 23015, 22015, 21015
21018	21018, 22018, 25018, 24018, 24017, 23017, 22017, 21017
21020	21020, 22020, 25020, 24020, 24019, 23019, 22019, 21019
21022	21022, 22022, 25022, 24022, 24021, 23021, 22021, 21021
21024	21024, 22024, 25024, 24024, 24023, 23023, 22023, 21023
21026	21026, 22026, 25026, 24026, 24025, 23025, 22025, 21025
21028	21028, 22028, 25028, 24028, 24027, 23027, 22027, 21027
21030	21030, 22030, 25030, 24030, 24029, 23029, 22029, 21029
21032	21032, 22032, 25032, 24032, 24031, 23031, 22031, 21031
21034	21034, 22034, 25034, 24034, 24033, 23033, 22033, 21033
21036	21036, 22036, 25036, 24036, 24035, 23035, 22035, 21035
21038	21038, 22038, 25038, 24038, 24037, 23037, 22037, 21037
21040	21040, 22040, 25040, 24040, 24039, 23039, 22039, 21039

Sub-Surface Stock

21042		21042, 22042, 25042, 24042, 24041, 23041, 22041, 21041
21044		21044, 22044, 25044, 24044, 24043, 23043, 22043, 21043
21046		21046, 22046, 25046, 24046, 24045, 23045, 22045, 21045
21048		21048, 22048, 25048, 24048, 24047, 23047, 22047, 21047
21050		21050, 22050, 25050, 24050, 24049, 23049, 22049, 21049
21052		21052, 22052, 25052, 24052, 24051, 23051, 22051, 21051
21054		21054, 22054, 25054, 24054, 24053, 23053, 22053, 21053
21056		21056, 22056, 25056, 24056, 24055, 23055, 22055, 21055
21058		21058, 22058, 25058, 24058, 24057, 23057, 22057, 21057
21060		21060, 22060, 23060, 24060, 24059, 23059, 22059, 21059
21062		21062, 22062, 23062, 24062, 24061, 23061, 22061, 21061
21064		21064, 22064, 23064, 24064, 24063, 23063, 22063, 21063
21066		21066, 22066, 23066, 24066, 24065, 23065, 22065, 21065
21068		21068, 22068, 23068, 24068, 24067, 23067, 22067, 21067
21070		21070, 22070, 23070, 24070, 24069, 23069, 22069, 21069
21072		21072, 22072, 23072, 24072, 24071, 23071, 22071, 21071
21074	<i>21174</i>	21074, 22074, 23074, 24074, 24073, 23073, 22073, 21073
21076	<i>21176</i>	21076, 22076, 23076, 24076, 24075, 23075, 22075, 21075
21078		21078, 22078, 23078, 24078, 24077, 23077, 22077, 21077
21080		21080, 22080, 23080, 24080, 24079, 23079, 22079, 21079
21082		21082, 22082, 23082, 24082, 24081, 23081, 22081, 21081
21084		21084, 22084, 23084, 24084, 24083, 23083, 22083, 21083

Sub-Surface Stock

21086	<i>21186</i>	21086, 22086, 23086, 24086, 24085, 23085, 22085, 21085
21088		21088, 22088, 23088, 24088, 24087, 23087, 22087, 21087
21090		21090, 22090, 23090, 24090, 24089, 23089, 22089, 21089
21092		21092, 22092, 23092, 24092, 24091, 23091, 22091, 21091
21094		21094, 22094, 23094, 24094, 24093, 23093, 22093, 21093
21096		21096, 22096, 23096, 24096, 24095, 23095, 22095, 21095
21098		21098, 22098, 23098, 24098, 24097, 23097, 22097, 21097
21100		21100, 22100, 23100, 24100, 24099, 23099, 22099, 21099
21102		21102, 22102, 23102, 24102, 24101, 23101, 22101, 21101
21104		21104, 22104, 23104, 24104, 24103, 23103, 22103, 21103
21106		21106, 22106, 23106, 24106, 24105, 23105, 22105, 21105
21108		21108, 22108, 23108, 24108, 24107, 23107, 22107, 21107
21110		21110, 22110, 23110, 24110, 24109, 23109, 22109, 21109
21112		21112, 22112, 23112, 24112, 24111, 23111, 22111, 21111
21114		21114, 22114, 23114, 24114, 24113, 23113, 22113, 21113
21116		21116, 22116, 23116, 24116, 24115, 23115, 22115, 21115

# Docklands Light Railway

## B07



Number	Livery
101	A
102	A
103	A
104	A DLR
105	A DLR
106	A DLR
107	A DLR
108	A DLR
109	A DLR
110	A DLR
111	A
112	A DLR
113	A
114	A
115	A
116	A
117	A
118	A
119	A

## Docklands Light Railway

120	A
121	A
122	A
123	A
124	A

# B09



Number	Livery
125	A T25
126	A DLR
127	A DLR
128	A DLR
129	A DLR
130	A DLR
131	A DLR
132	A DLR
133	A DLR
134	A DLR
135	A DLR
136	A DLR
137	A DLR
138	A DLR
139	A DLR
140	A DLR
141	A DLR
142	A DLR

## Docklands Light Railway

143	A	DLR
144	A	DLR
145	A	DLR
146	A	DLR
147	A	DLR
148	A	DLR
149	A	DLR
150	A	DLR
151	A	DLR
152	A	DLR
153	A	DLR
154	A	DLR
155	A	DLR

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## B23

New 5 car units, ordered 2017 from CAF, first delivery January 2023.

Builder	CAF
Length	86.7m
Max Speed	80km/h
Formation	Mc-T-S-T-Mc

Number	Livery
201	T DLRT
202	DLRT
203	T DLRT
204	T DLRT
205	DLRT
206	DLRT
207	DLRT
208	DLRT
209	A DLRT
210	DLRT
211	A DLRT
212	DLRT
213	DLRT
214	DLRT
215	DLRT
216	DLRT

## Docklands Light Railway

217		DLRT
218		DLRT
219		DLRT
220		DLRT
221		DLRT
222		DLRT
223		DLRT
224	A	DLRT
225		DLRT
226		DLRT
227		DLRT
228		DLRT
229		DLRT
230		DLRT
231		DLRT
232		DLRT
233		DLRT
234		DLRT
235		DLRT
236		DLRT
237		DLRT
238	T	DLRT
239		DLRT
240		DLRT
241		DLRT
242		DLRT
243		DLRT
244		DLRT
245		DLRT
246		DLRT
247		DLRT
248		DLRT
249		DLRT
250		DLRT
251		DLRT
252		DLRT
253		DLRT
254		DLRT

# B2K



Number	Livery
01	A DLR
02	A DLR
03	X DLR
04	A DLR
05	A DLR
06	A DLR
07	A DLR
08	A DLR
09	A DLR
10	A DLR
11	A DLR
12	A DLR
13	A DLR
14	A DLR
15	A DLR
16	A DLR
92	A DLR
93	A DLR
94	X DLR
95	X DLR

## Docklands Light Railway

96	A	DLR
97	A	DLR
98	X	DLR
99	A	DLR

# B90



Number	Livery
22	X DLR
23	A DLR
24	A DLR
25	A DLR
26	X DLR
27	A DLR
28	A DLR
29	A DLR
30	X DLR
31	X DLR
32	A DLR
33	A DLR
34	A DLR
35	X DLR
36	A DLR
37	A DLR
38	X DLR
39	X DLR
40	A DLR
41	A DLR

## Docklands Light Railway

42	A	DLR
43	A	DLR
44	A	DLR

# B92



Number	Note	Livery
45	A	DLR
46	A	DLR
47	A	DLR
48	A	DLR
49	A	DLR
50	A	DLR
51	X	DLR
52	X	DLR
53	A	DLR
54	X	DLR
55	X	DLR
56	A	DLR
57	A	DLR
58	A	DLR
59	A	DLR
60	A	DLR
61	A	DLR
62	X	DLR

## Docklands Light Railway

63	X		DLR
64	A		DLR
65	A		DLR
66	A		DLR
67	A		DLR
68	A		DLR
69	X		DLR
70	A		DLR
71	A		DLR
72	A		DLR
73	A		DLR
74	A		DLR
75	X		DLR
76	A		DLR
77	A		DLR
78	A		DLR
79	A		DLR
80	X		DLR
81	A		DLR
82	A		DLR
83	A		DLR
84	A		DLR
85	A		DLR
86	A		DLR
87	A		DLR
88	X	Converted to a Shunter vehicle at Beckton, later scrapped	DLR
89	A		DLR
90	A		DLR
91	X		DLR

# Overground

## 172



*Dan Cardwell*

Number	Form	Livery
172001	59311, 59411	WM1
172002	59312, 59412	WM1
172003	59313, 59413	WM1
172004	59314, 59414	WM1
172005	59315, 59415	WM1
172006	59316, 59416	WM1
172007	59317, 59417	WM1
172008	59318, 59418	WM1

## 315



Number	Name	Form
315801		X 64461, 71281, 71389, 64462
315802		X 64463, 71282, 71390, 64464
315803		X 64465, 71283, 71391, 64466
315804		X 64467, 71284, 71392, 64468
315805		X 64469, 71285, 71393, 64470
315806		X 64471, 71286, 71394, 64472
315807		X 64473, 71287, 71395, 64474
315808		X 64475, 71288, 71396, 64476
315809		X 64477, 71289, 71397, 64478
315810		X 64479, 71290, 71398, 64480
315811		X 64481, 71291, 71399, 64482
315812	London Borough of Newham Host Borough 2012 Olympics Bid	X 64483, 71292, 71400, 64484
315813		X 64485, 71293, 71401, 64486
315814		X 64487, 71294, 71402, 64488
315815		X 64489, 71295, 71403, 64490
315816		X 64491, 71296, 71404, 64492
315817	Transport for London	X 64493, 71297, 71405, 64494
315818		X 64495, 71298, 71406, 64496
315819		X 64497, 71299, 71407, 64498
315820		X 64499, 71300, 71408, 64500
315821		X 64501, 71301, 71409, 64502
315822		X 64503, 71302, 71410, 64504

## Overground

315823		X	64505, 71303, 71411, 64506
315824		X	64507, 71304, 71412, 64508
315825		X	64509, 71305, 71413, 64510
315826		X	64511, 71306, 71414, 64512
315827		X	64513, 71307, 71415, 64514
315828		X	64515, 71308, 71416, 64516
315829	London Borough of Havering Celebrating 40 years**	X	64517, 71309, 71417, 64518
315830		X	64519, 71310, 71418, 64520
315831		X	64521, 71311, 71419, 64522
315832		X	64523, 71312, 71420, 64524
315833		X	64525, 71313, 71421, 64526
315834		X	64527, 71314, 71422, 64528
315835		X	64529, 71315, 71423, 64530
315836		X	64531, 71316, 71424, 64532
315837		X	64533, 71317, 71425, 64534
315838		X	64535, 71318, 71426, 64536
315839		X	64537, 71319, 71427, 64538
315840		X	64539, 71320, 71428, 64540
315841		X	64541, 71321, 71429, 64542
315842		X	64543, 71322, 71430, 64544
315843		X	64545, 71323, 71431, 64546
315844		X	64547, 71324, 71432, 64548
315845	Herbie Woodward	X	64549, 71325, 71433, 64550
315846		X	64551, 71326, 71434, 64552
315847		X	64553, 71327, 71435, 64554
315848		X	64555, 71328, 71436, 64556
315849		X	64557, 71329, 71437, 64558
315850		X	64559, 71330, 71438, 64560
315851		X	64561, 71331, 71439, 64562
315852		X	64563, 71332, 71440, 64564
315853		X	64565, 71333, 71441, 64566
315854		X	64567, 71334, 71442, 64568
315855		X	64569, 71335, 71443, 64570
315856	<sup>(1)</sup> <sup>(2)</sup> <sup>(3)</sup>	P	64571, 71336, 71444, 64572
315857	Stratford Connections**	X	64573, 71337, 71445, 64574
315858		X	64575, 71338, 71446, 64576
315859		X	64577, 71339, 71447, 64578
315860		X	64579, 71340, 71448, 64580
315861		X	64581, 71341, 71449, 64582

**Notes**

1: 64571,71444 at Llanelli, 64572 at Dean Forest, rest of unit unknown. Whole unit destined for Llanelli & Mynydd Mawr

2: Llanelli & Mynydd Mawr Railway

3: Livery: TFL

## 317



Number	Name		Form	
317708		<i>317308</i>	X	77007, 62668, 71584, 77055
317709	Len Camp**	<i>317309</i>	X	77008, 62669, 71585, 77056
317710		<i>317310</i>	X	77009, 62670, 71586, 77057
317714		<i>317314</i>	X	77013, 62674, 71590, 77061
317719		<i>317319</i>	X	77018, 62679, 71595, 77066
317723	The Tottenham Flyer**	<i>317323,</i> <i>317393</i>	X	77022, 62683, 71599, 77070
317729		<i>317329</i>	X	77028, 62689, 71605, 77076
317732		<i>317332</i>	X	77031, 62692, 71608, 77079
317887		<i>317330</i>	X	77043, 62704, 71606, 77077
317888		<i>317331</i>	X	77030, 62691, 71607, 77078
317889		<i>317333</i>	X	77032, 62693, 71609, 77080
317890		<i>317334</i>	X	77033, 62694, 71610, 77081
317891		<i>317335</i>	X	77034, 62695, 71611, 77082
317892	Ilford Depot**	<i>317336</i>	X	77035, 62696, 71612, 77083

# 345

Aventra



*Neil Thaler*

Bombardier units for CrossRail / Elizabeth Line.

Formation	DMS-PMS-MS1-MS3-TSW-MS3-MS2-PMS-DMS
System	25kV
Length	204.7m
Introduced	2022
Builder	Bombardier, Derby Litchurch Lane
Power	4,400 kW
Max Speed	90mph

Number	Form	Livery
345001	340101, 340201, 340301, 340401, 340501, 340601, 340701, 340801, 340901	XRL
345002	340102, 340202, 340302, 340402, 340502, 340602, 340702, 340802, 340902	XRL
345003	340103, 340203, 340303, 340403, 340503, 340603, 340703, 340803, 340903	XRL
345004 <sup>(1)</sup>	340104, 340204, 340304, 340404, 340504, 340604, 340704, 340804, 340904	XRL
345005	340105, 340205, 340305, 340405, 340505, 340605, 340705, 340805, 340905	XRL

## Overground

345006	340106, 340206, 340306, 340406, 340506, 340606, 340706, 340806, 340906	XRL
345007	340107, 340207, 340307, 340407, 340507, 340607, 340707, 340807, 340907	XRL
345008	340108, 340208, 340308, 340408, 340508, 340608, 340708, 340808, 340908	XRL
345009	340109, 340209, 340309, 340409, 340509, 340609, 340709, 340809, 340909	XRL
345010	340110, 340210, 340310, 340410, 340510, 340610, 340710, 340810, 340910	XRL
345011	340111, 340211, 340311, 340411, 340511, 340611, 340711, 340811, 340911	XRL
345012	340112, 340212, 340312, 340412, 340512, 340612, 340712, 340812, 340912	XRL
345013 <sup>(2)</sup>	340113, 340213, 340313, 340413, 340513, 340613, 340713, 340813, 340913	XRL
345014	340114, 340214, 340314, 340414, 340514, 340614, 340714, 340814, 340914	XRL
345015	340115, 340215, 340315, 340415, 340515, 340615, 340715, 340815, 340915	XRL
345016	340116, 340216, 340316, 340416, 340516, 340616, 340716, 340816, 340916	XRL
345017	340117, 340217, 340317, 340417, 340517, 340617, 340717, 340817, 340917	XRL
345018	340118, 340218, 340318, 340418, 340518, 340618, 340718, 340818, 340918	XRL
345019	340119, 340219, 340319, 340419, 340519, 340619, 340719, 340819, 340919	XRL
345020	340120, 340220, 340320, 340420, 340520, 340620, 340720, 340820, 340920	XRL
345021	340121, 340221, 340321, 340421, 340521, 340621, 340721, 340821, 340921	XRL
345022	340122, 340222, 340322, 340422, 340522, 340622, 340722, 340822, 340922	XRL
345023	340123, 340223, 340323, 340423, 340523, 340623, 340723, 340823, 340923	XRL
345024 <sup>(3)</sup>	340124, 340224, 340324, 340424, 340524, 340624, 340724, 340824, 340924	XRL
345025	340125, 340225, 340325, 340425, 340525, 340625, 340725, 340825, 340925	XRL
345026	340126, 340226, 340326, 340426, 340526, 340626, 340726, 340826, 340926	XRL
345027	340127, 340227, 340327, 340427, 340527, 340627, 340727, 340827, 340927	XRL

## Overground

345028	340128, 340228, 340328, 340428, 340528, 340628, 340728, 340828, 340928	XRL
345029	340129, 340229, 340329, 340429, 340529, 340629, 340729, 340829, 340929	XRL
345030	340130, 340230, 340330, 340430, 340530, 340630, 340730, 340830, 340930	XRL
345031	340131, 340231, 340331, 340431, 340531, 340631, 340731, 340831, 340931	XRL
345032	340132, 340232, 340332, 340432, 340532, 340632, 340732, 340832, 340932	XRL
345033	340133, 340233, 340333, 340433, 340533, 340633, 340733, 340833, 340933	XRL
345034	340134, 340234, 340334, 340434, 340534, 340634, 340734, 340834, 340934	XRL
345035	340135, 340235, 340335, 340435, 340535, 340635, 340735, 340835, 340935	XRL
345036	340136, 340236, 340336, 340436, 340536, 340636, 340736, 340836, 340936	XRL
345037	340137, 340237, 340337, 340437, 340537, 340637, 340737, 340837, 340937	XRL
345038	340138, 340238, 340338, 340438, 340538, 340638, 340738, 340838, 340938	XRL
345039	340139, 340239, 340339, 340439, 340539, 340639, 340739, 340839, 340939	XRL
345040	340140, 340240, 340340, 340440, 340540, 340640, 340740, 340840, 340940	XRL
345041	340141, 340241, 340341, 340441, 340541, 340641, 340741, 340841, 340941	XRL
345042	340142, 340242, 340342, 340442, 340542, 340642, 340742, 340842, 340942	XRL
345043	340143, 340243, 340343, 340443, 340543, 340643, 340743, 340843, 340943	XRL
345044	340144, 340244, 340344, 340444, 340544, 340644, 340744, 340844, 340944	XRL
345045	340145, 340245, 340345, 340445, 340545, 340645, 340745, 340845, 340945	XRL
345046	340146, 340246, 340346, 340446, 340546, 340646, 340746, 340846, 340946	XRL
345047	340147, 340247, 340347, 340447, 340547, 340647, 340747, 340847, 340947	XRL
345048	340148, 340248, 340348, 340448, 340548, 340648, 340748, 340848, 340948	XRL
345049	340149, 340249, 340349, 340449, 340549, 340649, 340749, 340849, 340949	XRL

## Overground

345050	340150, 340250, 340350, 340450, 340550, 340650, 340750, 340850, 340950	XRL
345051	340151, 340251, 340351, 340451, 340551, 340651, 340751, 340851, 340951	XRL
345052	340152, 340252, 340352, 340452, 340552, 340652, 340752, 340852, 340952	XRL
345053	340153, 340253, 340353, 340453, 340553, 340653, 340753, 340853, 340953	XRL
345054	340154, 340254, 340354, 340454, 340554, 340654, 340754, 340854, 340954	XRL
345055	340155, 340255, 340355, 340455, 340555, 340655, 340755, 340855, 340955	XRL
345056	340156, 340256, 340356, 340456, 340556, 340656, 340756, 340856, 340956	XRL
345057	340157, 340257, 340357, 340457, 340557, 340657, 340757, 340857, 340957	XRL
345058	340158, 340258, 340358, 340458, 340558, 340658, 340758, 340858, 340958	XRL
345059	340159, 340259, 340359, 340459, 340559, 340659, 340759, 340859, 340959	XRL
345060	340160, 340260, 340360, 340460, 340560, 340660, 340760, 340860, 340960	XRL
345061	340161, 340261, 340361, 340461, 340561, 340661, 340761, 340861, 340961	XRL
345062 <sup>(4)</sup>	340162, 340262, 340362, 340462, 340562, 340662, 340762, 340862, 340962	XRL
345063	340163, 340263, 340363, 340463, 340563, 340663, 340763, 340863, 340963	XRL
345064	340164, 340264, 340364, 340464, 340564, 340664, 340764, 340864, 340964	XRL
345065	340165, 340265, 340365, 340465, 340565, 340665, 340765, 340865, 340965	XRL
345066	340166, 340266, 340366, 340466, 340566, 340666, 340766, 340866, 340966	XRL
345067	340167, 340267, 340367, 340467, 340567, 340667, 340767, 340867, 340967	XRL
345068	340168, 340268, 340368, 340468, 340568, 340668, 340768, 340868, 340968	XRL
345069	340169, 340269, 340369, 340469, 340569, 340669, 349769, 340869, 340969	XRL
345070	340170, 340270, 340370, 340470, 340570, 340670, 340770, 340870, 340970	XRL

## Notes

1: Name: Andy Byford

2: Test / development unit.

Overground

3: Name: Heidi Alexander

4: Name: Jorge Ortega

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# 360



*Phil Hayward*

Number	Form	Livery
360201	S 78431, 63421, 72431, 72421, 78441	HEC
360202	S 78432, 63422, 72432, 72422, 78442	HEC
360203	S 78433, 63423, 72433, 72423, 78443	HEC
360204	X 78434, 63424, 72434, 72424, 78444	
360205	X 78435, 63425, 72435, 72425, 78445	

## 378

*Phil Hayward*

Number	Name	Form	Note	Livery
378135	Daks Hamilton	38035, 38235, 38335, 38435, 38135		LON
378136	Transport for London	38036, 38236, 38336, 38436, 38136		LON
378137		38037, 38237, 38337, 38437, 38137		LOG
378138		38038, 38238, 38338, 38438, 38138		LOG
378139		38039, 38239, 38339, 38439, 38139		LOG
378140		38040, 38240, 38340, 38440, 38140		LOG
378141		38041, 38241, 38341, 38441, 38141		LOG
378142		38042, 38242, 38342, 38442, 38142		LOG
378143		38043, 38243, 38343, 38443, 38143		LOG
378144		38044, 38244, 38344, 38444, 38144		LOG
378145		38045, 38245, 38345, 38445, 38145		LOG
378146		38046, 38246, 38346, 38446, 38146		LOG

## Overground

378147			38047, 38247, 38347, 38447, 38147	LON
378148			38048, 38248, 38348, 38448, 38148	LOG
378149			38049, 38249, 38349, 38449, 38149	LOG
378150			38050, 38250, 38350, 38450, 38150	Fitted with de-icing equipment. LON
378151			38051, 38251, 38351, 38451, 38151	Fitted with de-icing equipment. LOG
378152			38052, 38252, 38352, 38452, 38152	Fitted with de-icing equipment. LOG
378153			38053, 38253, 38353, 38453, 38153	Fitted with de-icing equipment. LOG
378154			38054, 38254, 38354, 38454, 38154	Fitted with de-icing equipment. LOG
378201		<i>378001</i>	38001, 38201, 38301, 38401, 38101	LON
378202		<i>378002</i>	38002, 38202, 38302, 38402, 38102	LON
378203		<i>378003</i>	38003, 38203, 38303, 38403, 38103	LON
378204	Professor Sir Peter Hall	<i>378004</i>	38004, 38204, 38304, 38404, 38104	LON
378205		<i>378005</i>	38005, 38205, 38305, 38405, 38105	LON
378206		<i>378006</i>	38006, 38206, 38306, 38406, 38106	LON
378207		<i>378007</i>	38007, 38207, 38307, 38407, 38107	LON
378208		<i>378008</i>	38008, 38208, 38308, 38408, 38108	LON
378209		<i>378009</i>	38009, 38209, 38309, 38409, 38109	LOG
378210		<i>378010</i>	38010, 38210, 38310, 38410, 38110	LON
378211	Gary Hunter	<i>378011</i>	38011, 38211, 38311, 38411, 38111	LON
378212		<i>378012</i>	38012, 38212, 38312, 38412, 38112	LOG

## Overground

378213		<i>378013</i>	38013, 38213, 38313, 38413, 38113		LON
378214		<i>378014</i>	38014, 38214, 38314, 38414, 38114		LON
378215		<i>378015</i>	38015, 38215, 38315, 38415, 38115		LOG
378216		<i>378016</i>	38016, 38216, 38316, 38416, 38116	Fitted with de-icing equipment.	LOG
378217		<i>378017</i>	38017, 38217, 38317, 38417, 38117	Fitted with de-icing equipment.	LOG
378218		<i>378018</i>	38018, 38218, 38318, 38418, 38118	Fitted with de-icing equipment.	LON
378219		<i>378019</i>	38019, 38219, 38319, 38419, 38119	Fitted with de-icing equipment.	LOG
378220		<i>378020</i>	38020, 38220, 38320, 38420, 38120	Fitted with de-icing equipment.	LON
378221		<i>378021</i>	38021, 38221, 38321, 38421, 38121		LON
378222		<i>378022</i>	38022, 38222, 38322, 38422, 38122		LON
378223		<i>378023</i>	38023, 38223, 38323, 38423, 38123		LON
378224		<i>378024</i>	38024, 38224, 38324, 38424, 38124		LOG
378225			38025, 38225, 38325, 38425, 38125		LON
378226			38026, 38226, 38326, 38426, 38126		LON
378227			38027, 38227, 38327, 38427, 38127		LON
378228			38028, 38228, 38328, 38428, 38128		LON
378229			38029, 38229, 38329, 38429, 38129		LON
378230			38030, 38230, 38330, 38430, 38130		LON
378231			38031, 38231, 38331, 38431, 38131		LON
378232	Jeff Langston	<i>378132</i>	38032, 38232, 38332, 38432, 38132		LON

## Overground

378233	Ian Brown CBE	378133	38033, 38233, 38333, 38433, 38133	LON
378234		378134	38034, 38234, 38334, 38434, 38134	LOG
378255			38055, 38255, 38355, 38455, 38155	LOG
378256			38056, 38256, 38356, 38456, 38156	LON
378257			38057, 38257, 38357, 38457, 38157	LOG

# 710



*Phil Hayward*

Number	Form	Livery
710101	431101, 431201, 431301, 431501	LOG
710102	431102, 431202, 431302, 431502	LOG
710103	431103, 431203, 431303, 431503	LOG
710104	431104, 431204, 431304, 431504	LOG
710105	431105, 431205, 431305, 431505	LOG
710106	431106, 431206, 431306, 431506	LOG
710107	431107, 431207, 431307, 431507	LOG
710108	431108, 431208, 431308, 431508	LOG
710109	431109, 431209, 431309, 431509	LOG
710110	431110, 431210, 431310, 431510	LOG
710111	431111, 431211, 431311, 431511	LOG
710112	431112, 431212, 431312, 431512	LOG

## Overground

710113	431113, 431213, 431313, 431513	LOG
710114	431114, 431214, 431314, 431514	LOG
710115	431115, 431215, 431315, 431515	LOG
710116	431116, 431216, 431316, 431516	LOG
710117	431117, 431217, 431317, 431517	LOG
710118	431118, 431218, 431318, 431518	LOG
710119	431119, 431219, 431319, 431519	LOG
710120	431120, 431220, 431320, 431520	LOG
710121	431121, 431221, 431321, 431521	LOG
710122	431122, 431222, 431322, 431522	LOG
710123	431123, 431423, 431323, 431523	LOG
710124	431124, 431224, 431324, 431524	LOG
710125	431125, 431225, 431325, 431525	LOG
710126	431126, 431226, 431326, 431526	LOG
710127	431127, 431227, 431327, 431527	LOG
710128	431128, 431228, 431328, 431528	LOG
710129	431129, 431229, 431329, 431529	LOG
710130	431130, 431230, 431330, 431530	LOG
710256	432156, 432256, 432356, 432556	LOG
710257	432157, 432257, 432357, 432557	LOG
710258	432158, 432258, 432358, 432558	LOG
710259	432159, 432259, 432359, 432559	LOG
710260	432160, 432260, 432360, 432560	LOG
710261	432161, 432261, 432361, 432561	LOG
710262	432162, 432262, 432362, 432562	LOG
710263	432163, 432263, 432363, 432563	LOG
710264	432164, 432264, 432364, 432564	LOG
710265	432165, 432265, 432365, 432565	LOG
710266	432166, 432266, 432366, 432566	LOG
710267	432167, 432267, 432367, 432567	LOG
710268	432168, 432268, 432368, 432568	LOG
710269	432169, 432269, 432369, 432569	LOG

# Electric Locomotives

## Metropolitan-Vickers



*Neil Thaler*

Gauge	1,435 mm (4 ft 8 1/2 in)
Builder	Metropolitan-Vickers
Max Speed	65 mph (105 km/h)
Introduced	1922-23
Withdrawn	1962
Weight	62.4 tonnes (61.4 long tons; 68.8 short tons)
Power	1,200 hp (890 kW)
Wheel Arrangement	Bo-Bo

Number	Name	Note	Livery
1	John Lyon	X WDN: 1962	MET
10	William Ewart Gladstone	X WDN: 1962	MET
11	George Romney	X WDN: 1962	MET
12	Sarah Siddons <i>89212</i>	P	MET
13	Dick Whittington	X WDN: 1962	MET
14	Benjamin Disraeli	X WDN: 1962	MET
15	Wembley 1924	X WDN: 1951   Scrapped following an accident	MET
16	Oliver Goldsmith	X WDN: 1962   Scrapped 1966	MET

## Electric Locomotives

17	Florence Nightingale	X	WDN: 1943   Scrapped following an accident	MET
18	Michael Faraday	X	WDN: 1963   Scrapped in 1966	MET
19	John Wycliffe	X	WDN: 1948	MET
2	Oliver Cromwell	X	WDN: 1962   Named Thomas Lord in 1953	MET
20	Sir Christopher Wren	X	WDN: 1954   Scrapped following an accident	MET
3	Sir Ralph Verney	X	WDN: 1962	MET
4	Lord Byron	X	WDN: 1962	MET
5 <sup>(1)</sup>	John Hampden	D		MET
6	William Penn	X	WDN: 1962	MET
7	Edmund Burke	X	WDN: 1962	MET
8	Sherlock Holmes	X	WDN: 1962	MET
9	John Milton	X	WDN: 1962	MET

### Notes

1: London Transport Museum

# Departmental

## Asset Inspection Train

With no cab windows and new cables leading into each other. The AIT (Asset Inspection Train) will replace the Track Recording Train (1960 Stock DMs and 73 Stock T) which is currently in use.

Length	16080mm
Width	2642mm
Height	2877mm

Number	Note
3079	X 2-2w-2w-2RER
3179	X 2-2w-2w-2RER
3213	X 2-2w-2w-2RER
3313	X 2-2w-2w-2RER
4213	A Trailer
4313	A Trailer

## BREL Battery Locos

TFL BREL Battery Locomotives

The construction of the Jubilee line and the Heathrow extension of the Piccadilly line required yet more works trains, and eleven more locomotives were ordered in 1972, with delivery in 1973. They were built at Doncaster Works by British Rail Engineering Limited. The motors were refurbished from redundant District line stock, but the bogies were new. Although based on the standard Z-type bogie used since the 1930s, they incorporated roller bearings, rather than white metal axleboxes and suspension bearings. Three of the locomotives were built to replace the three metadyne vehicles, but those were not actually withdrawn until 1977.

Length	16962mm
Weight	62 tons
Max Speed	48km/h

Number	Note
L44	44, 73044 A 4w-4wBE

## Departmental

L45	45, 73045	A	4w-4wBE
L46	46, 73046	A	4w-4wBE
L47	47, 73047, 97747	A	4w-4wBE
L48	48, 73048	A	4w-4wBE
L49	49, 73049	A	4w-4wBE
L50	50, 73050, 97750	A	4w-4wBE
L51	51, 97751	A	4w-4wBE
L52	52, 73052, 97752	A	4w-4wBE
L53	53, 73053, 97753	A	4w-4wBE
L54	54	A	4w-4wBE

## Clayton Battery Locomotives



*L11 Joan*

*Dan Cardwell*

Clayton Equipment Company Ltd, now known simply as Clayton Equipment Ltd or CEC and CEL, is a locomotive construction company that specialises in rail equipment, design and build, tunnelling, mining, metro, mainline and shunter locomotives.

Length	Varies
Width	Varies
Height	Varies

Number	Name	Note	Base
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## Departmental

{a}	Walter	<i>B4427A</i>	P	4wBE	Statfold Barn Railway
{b}	Lou	<i>B4227B</i>	A	4wBE	
{c}	Anne	<i>B4227C</i>	A	4wBE	
{d}	Kitty	<i>B4227D</i>	P	4wBE	South Tynedale Railway
L10	Clementine**	<i>10, 5412, B4607.10</i>	S	4wBE	RSS Wishaw
L11	Joan**	<i>11, 5413, B4607.11</i>	S	4wBE	RSS Wishaw
L13	Michele**	<i>13, 5415, B4607.13</i>	S	4wBE	RSS Wishaw
L14	Carol**	<i>14, 5416, B4607.14</i>	S	4wBE	RSS Wishaw
L2	Nikki	<i>2, 5404, B4607.02</i>	S	4wBE	RSS Wishaw
L4	Pam	<i>4, 5406, B4607.04</i>	S	4wBE	RSS Wishaw
L5	Sophie**	<i>5, 5407, B4607.05</i>	S	4wBE	RSS Wishaw
L6	Denise**	<i>6, 5408, B4607.06</i>	S	4wBE	RSS Wishaw
L7	Annemarie	<i>7, 5409, B4607.07</i>	S	4wBE	RSS Wishaw
L8	Emma**	<i>8, 5410, B4607.08</i>	S	4wBE	RSS Wishaw

## Cranes



Number		Note	Base	Livery
C623		A 7.5t Bogie Diesel Hydraulic Crane Tube Profile		YEL
C624		A 7.5t Bogie Diesel Hydraulic Crane Tube Profile		YEL
C625		A 7.5t Bogie Diesel Hydraulic Crane Tube Profile		YEL
C626		A 7.5t Bogie Diesel Hydraulic Crane Tube Profile	Loram, Derby RTC	YEL
DHC627		A 10t Bogie Twin Jib Self Propelled Tube Profile Diesel Crane		YEL
DHC628	<i>TRM628</i>	A 10t Bogie Twin Jib Self Propelled Tube Profile Diesel Crane		YEL

## Met-Cam Battery Locomotives

TFL Met-Cam Battery Locomotives



*Dan Cardwell*

Metro-Cammell received an order for thirteen battery powered locomotives, the first one was delivered on 8 December 1964 to Ruislip Depot. They were part of a programme to phase out the last remaining steam engines, but the Victoria line was also being built at this time, and some of the battery locos were fitted with automatic train operation (ATO)

## Departmental

equipment, to enable them to work on that line. As with previous batches, parts of the locomotives were refurbished; in this case, the bogies, traction motors and compressors were supplied by Acton Works. Unlike earlier models, each vehicle was fitted with two compressors, allowing them to work singly. The last steam engines were withdrawn soon afterwards, and an order for five more battery locos was placed with Metro-Cammell in 1969. These worked on the Jubilee line construction.

Length	16962mm
Introduced	1964
Weight	62 Tonnes
Max Speed	48km/h

Number		Note
L15	<i>15, 69015, 97715</i>	4w-4wBE
L16	<i>16, 69016, 97716</i>	4w-4wBE
L17	<i>17, 97717</i>	4w-4wBE
L18	<i>18, 69018, 97718</i>	4w-4wBE
L19	<i>19, 69019, 97719</i>	4w-4wBE
L20	<i>20, 64020, 97720</i>	4w-4wBE
L21	<i>21, 64021, 97721</i>	4w-4wBE
L22	<i>22, 97722</i>	4w-4wBE
L23	<i>23, 97723</i>	4w-4wBE
L24	<i>24, 64024, 97724</i>	4w-4wBE
L25	<i>25, 64025, 97725</i>	4w-4wBE
L26	<i>26, 64026, 97726</i>	4w-4wBE
L27	<i>27, 64027, 97727</i>	4w-4wBE
L28	<i>28, 64028, 97728</i>	4w-4wBE
L29	<i>29, 64029, 97729</i>	4w-4wBE
L30 <sup>(1)</sup>	<i>30, 64030, 97730</i>	4w-4wBE
L31	<i>31, 97731</i>	4w-4wBE

**Notes**

1: Millenium Site Services, Derby

## Sandite Unit

### Sandite Units

Sandite is a substance used on railways in the UK, Ireland, US, the Netherlands and Belgium to combat leaves on the line, which can cause train wheels to slip and become damaged with flat spots. Sandite consists of a mixture of sand, antifreeze and steel shot.

Leaf build up on the railhead can also cause signalling issues and 'disappearing trains' on the rail control systems (because of the electrically insulating effect of the leaves, which can prevent operation of track circuits).

British Rail conducted research, in 1976, to determine the suitability of Sandite for use as an adhesion improver

Length	15620mm
Width	2597mm
Height	2833mm

Number	Form
1407	
1570	
1690	S
1691	
2440	2440, 9441, 1441
9459	
9577	
9691	

## Tampers

Number		Note
TMM771	1753	P&T Tube Profile Tamper
TMM772	1757	P&T Tube Profile Tamper
TMM773	1758	P&T Tube Profile Tamper
TMM774	1291	P&T Switch & Crossing Tamper

## Track Recording Unit

One of the 1960 Stock trains was owned by LUL and remained in use as track recording train, running with a 1973 Stock centre trailer. It was overhauled at Eastleigh Works in 2019. The original 1960 track recording cars were scrapped because of asbestos contamination, and two of the retired motor cars were converted to replace them. However the Track Recording Train will be withdrawn from service and replaced by the Asset Inspection Train, which is formed by repainted 1972 Stock

Length	15860mm
Width	2597mm
Height	2883mm
Introduced	1987

Number		Note
3901	<i>L132</i>	A 4w-4wBE
3905	<i>L133</i>	A 4w-4wBE
TRC666	<i>514, 666, 999666</i>	A T

## Tunnel Cleaning Train

In 1977, a tunnel-cleaning train was completed. This consisted of two 1938 driving motor cars, and three purpose-built vehicles. The middle vehicle of the five contains a fan unit, which supplies large volumes of low pressure air to a series of nozzles, which disturb the dust on the tunnel walls and track. The cars on either side of it draw the dust-laden air into filter chambers, and are fitted with conveyors for discharging the dust at depots. To enable the train to operate sufficiently slowly for the cleaning process to be effective, a hydraulic drive was fitted to one of the motor cars, with settings to allow speeds of 0.5 mph (0.8 km/h), 1.5 mph (2.4 km/h), 4.5 mph (7.2 km/h) and 6 mph (9.7 km/h). Up to 6 tons of dust can be held in the filter bags, and the units are fitted with carbon dioxide and water mist fire fighting equipment, because of the combustible nature of fine dust particles. There were teething problems when the train began work in 1978, but by 1980, these had been resolved.

Length	15940mm
Width	2597mm
Height	2883mm

Departmental

Introduced

1978

Number	Note	Base
3007	S 2-2w-2w-2RER	Arlington Fleet Services - Eastleigh Works
3022	S 2-2w-2w-2RER	Arlington Fleet Services - Eastleigh Works
3107	S 2-2w-2w-2RER	Arlington Fleet Services - Eastleigh Works
3122	S 2-2w-2w-2RER	Arlington Fleet Services - Eastleigh Works