

Structure of charges supporting document: Appendix 2

Variable usage charges

Passenger vehicle system wide indicative pence per vehicle mile

Class	Type	Tare (tonne) inc passengers	Speed (m/hr)		Axles	USM	Curving Class	System Pence per vehicle mile
			Max	Opg				
008/0	Loco	50.00	15.00	2.15	3.00	3844.00	Shunter	2.81
031/4	Loco	109.80	90.00	46.13	6.00	3370.00	Loco3_50	32.20
037/0	Loco	105.00	80.00	37.71	6.00	3556.00	Loco3_50	26.35
037/4	Loco	105.00	80.00	37.71	6.00	3556.00	Loco3_50	26.35
043/0	Loco	70.00	125.00	75.28	4.00	2200.00	Loco2_50	42.35
047/0	Loco	120.00	95.00	59.14	6.00	3600.00	Loco3_50	45.75
047/4	Loco	120.00	95.00	59.14	6.00	3600.00	Loco3_50	45.75
047/7	Loco	120.00	95.00	59.14	6.00	3600.00	Loco3_50	45.75
050/0	Loco	100.00	90.00	71.59	6.00	3500.00	Loco3_50	37.28
057/3	Loco	120.00	95.00	59.14	6.00	3600.00	Loco3_50	45.75
057/6	Loco	120.00	95.00	59.14	6.00	3600.00	Loco3_50	45.75
067/0	Class 67 loco	90.00	125.00	80.90	4.00	2100.00	Loco2_50	63.32
073/0	Loco	76.80	90.00	71.59	4.00	3302.00	Loco2_50	48.25
073/2	Loco	76.80	90.00	71.59	4.00	3302.00	Loco2_50	48.25
087/0	Loco	83.20	110.00	79.13	4.00	2700.00	Loco2_50	56.04
090/0	Loco	85.00	110.00	82.55	4.00	2700.00	Loco2_50	59.51
091/0	Loco	82.00	140.00	96.56	4.00	1740.00	Loco2_50	59.13
091/1	Loco	82.00	140.00	98.20	4.00	1740.00	Loco2_50	59.75
098/6		120.00	95.00	59.14	6.00	3600.00	Loco3_50	45.75
099/0		120.00	95.00	59.14	6.00	3600.00	Loco2_50	61.15
1	Coach	42.00	75.00	56.32	4.00	1700.00	Coach_12_40	9.45
2	Coach	37.20	100.00	70.61	4.00	1260.00	Coach_12_40	8.79
3	Coach	36.80	125.00	77.70	4.00	1260.00	Coach_16_40	9.84
4	Coach	45.20	140.00	96.55	4.00	1860.00	Coach_80_50	18.06
121/M	Dies MU	40.80	75.00	35.40	4.00	2000.00	Coach_12_40	7.50
142/M	Dies MU	28.20	75.00	36.82	2.00	1900.00	Pacer_10	5.90
143/M	Dies MU	27.80	75.00	37.76	2.00	1900.00	Pacer_10	5.87
144/M	Dies MU	28.00	75.00	37.05	2.00	1900.00	Pacer_10	5.87
150/M	Dies MU	40.80	75.00	40.30	4.00	1300.00	Coach_12_40	7.52
153/M	Dies MU	42.40	75.00	41.07	4.00	1300.00	Coach_12_40	7.91
155/M	Dies MU	43.20	75.00	38.61	4.00	1300.00	Coach_12_40	7.85
156/M	Dies MU	42.80	75.00	42.76	4.00	1300.00	Coach_12_40	8.15
158/M	Dies MU	40.80	90.00	54.03	4.00	1924.00	Coach_12_40	9.10
159/M	Dies MU	39.20	90.00	58.20	4.00	1924.00	Coach_12_40	9.01

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			Max	Opg				
165/M	Dies MU	43.20	75.00	47.98	4.00	1924.00	Coach_12_40	9.18
166/M	Dies MU	43.20	75.00	52.97	4.00	1924.00	Coach_12_40	9.64
168/M	Dies MU	42.80	100.00	55.60	4.00	2185.00	Coach_12_40	9.95
170/M	Dies MU	45.20	100.00	63.91	4.00	1553.00	Coach_12_50	10.86
171/M	S.Central cl.171 Motor (ex 170/7)	45.20	100.00	55.24	4.00	1553.00	Coach_12_50	10.06
175/M	Dies MU	54.00	100.00	63.91	4.00	1824.00	Coach_50_50	17.72
180/M	Class 180 DMU	56.00	125.00	80.90	4.00	1879.00	Coach_50_50	20.89
185/M	Class 185 Motor (3/unit)	60.04	100.00	55.24	4.00	1833.00	Coach_50_50	18.75
220/M	Class 220 DMU	52.40	90.00	46.13	4.00	1338.00	Coach_12_50	10.81
221/M	Class 221 DMU	60.00	90.00	46.13	4.00	1830.00	Coach_50_60	18.17
222/M	Class 222 (9 car unit)	53.20	110.00	65.01	4.00	1375.00	Coach_12_50	13.43
313/M	Elec MU	39.60	75.00	23.16	4.00	2000.00	Coach_23_40	7.62
313/T	Elec MU	35.20	75.00	23.16	4.00	1340.00	Coach_23_40	6.78
314/M	Elec MU	38.00	75.00	29.44	4.00	2000.00	Coach_23_40	7.98
314/T	Elec MU	36.80	75.00	29.44	4.00	1340.00	Coach_23_40	7.50
315/M	Elec MU	38.80	75.00	36.06	4.00	3000.00	Coach_23_40	9.09
315/T	Elec MU	32.80	75.00	36.06	4.00	1260.00	Coach_23_30	6.63
317/M	Elec MU	52.80	100.00	44.56	4.00	2870.00	Coach_23_50	13.96
317/T	Elec MU	32.40	100.00	44.56	4.00	1300.00	Coach_23_30	7.08
318/M	Elec MU	54.80	90.00	48.38	4.00	2900.00	Coach_23_50	15.19
318/T	Elec MU	33.20	90.00	48.38	4.00	1300.00	Coach_23_30	7.45
319/M	Elec MU	53.20	100.00	53.46	4.00	2975.00	Coach_12_50	13.45
319/T	Elec MU	32.80	100.00	53.46	4.00	1225.00	Coach_12_30	6.70
320/M	Elec MU	55.60	75.00	31.18	4.00	2975.00	Coach_12_60	10.56
320/T	Elec MU	32.80	75.00	31.18	4.00	1225.00	Coach_12_30	5.40
321/M	Elec MU	55.60	100.00	57.32	4.00	2975.00	Coach_12_60	14.85
321/T	Elec MU	32.80	100.00	57.32	4.00	1225.00	Coach_12_30	6.90
322/M	Elec MU	55.60	100.00	57.32	4.00	2975.00	Coach_12_60	14.85
322/T	Elec MU	32.80	100.00	57.32	4.00	1225.00	Coach_12_30	6.90
323/M	Elec MU	40.80	75.00	40.56	4.00	1700.00	Coach_15_40	8.37
323/T	Elec MU	39.10	75.00	40.56	4.00	1340.00	Coach_15_40	7.80
333/M	Class 333 Motor Car (2/Unit)	52.80	100.00	55.24	4.00	1639.00	Coach_12_50	12.42
333/T	Class 333 Trailer Car (1/Unit)	45.20	100.00	55.24	4.00	1577.00	Coach_12_50	10.08
334/M	Class 334 Motor Car (2/Unit)	50.00	90.00	46.13	4.00	1765.00	Coach_50_50	14.15
334/T	Class 334 Trailer Car (1/Unit)	44.00	90.00	46.13	4.00	1414.00	Coach_50_40	11.35
350/M	Class 350 Motor (2/unit) (@ 70kg)	51.42	100.00	55.24	4.00	1909.00	Coach_12_50	12.25
350/T	Class 350 Trailer (2/unit) (@70kg)	43.43	100.00	55.24	4.00	1798.00	Coach_12_40	9.82
357/M	Class 357 Motor Car (3/Unit)	43.60	100.00	55.24	4.00	1470.00	Coach_12_40	9.59
357/T	Class 357 Trailer Car(1/Unit)	43.20	100.00	55.24	4.00	1310.00	Coach_12_40	9.34
360/M	Class 360 Motor (2/unit)	50.46	100.00	55.24	4.00	1811.00	Coach_12_50	11.85
360/T	Class 360 Trailer (2/unit)	44.79	100.00	55.24	4.00	1537.00	Coach_12_40	9.97

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365/M	Elec MU	39.20	100.00	43.75	4.00	2000.00	Coach_12_40	7.91
365/T	Elec MU	31.60	100.00	43.75	4.00	1400.00	Coach_12_30	6.04
373/0	373/L	103.80	140.00	98.20	6.00	2700.00	Loco2_50	63.68
375/M	Data ex Adtranz	45.00	100.00	55.24	4.00	1470.00	Coach_12_50	9.93
375/T	Connx cl 375/3 Trailer (1/unit)	38.68	100.00	55.24	4.00	1325.00	Coach_12_40	8.23
376/M	SET cl.376 Motor (4/unit)	42.51	75.00	33.77	4.00	1473.00	Coach_12_40	7.38
376/T	SET cl.376 Trailer (1/unit)	40.14	75.00	33.77	4.00	1325.00	Coach_12_40	6.86
377/M	S.cl 377/1 Motor (3/unit) (@70kg)	46.61	100.00	55.24	4.00	1257.00	Coach_12_50	10.15
377/T	S.cl 377/1 Trailer (1/unit) (@70kg)	39.62	100.00	55.24	4.00	1093.00	Coach_12_40	8.24
390/M	using latest data ex Virgin (@125).	56.32	125.00	80.90	4.00	1835.00	Coach_50_50	20.98
390/T	using latest data ex Virgin (@125).	54.44	125.00	80.90	4.00	1699.00	Coach_50_50	19.90
421/M	Elec MU	51.60	90.00	44.18	4.00	3100.00	Coach_12_50	11.68
421/T	Elec MU	36.80	90.00	44.45	4.00	1430.00	Coach_12_40	7.14
423/M	Elec MU	52.00	90.00	42.21	4.00	3100.00	Coach_12_50	11.51
423/T	Elec MU	36.00	90.00	42.21	4.00	1430.00	Coach_12_40	6.82
442/M	Elec MU	51.60	100.00	59.40	4.00	3230.00	Coach_12_50	13.86
442/T	Elec MU	37.60	100.00	59.40	4.00	1325.00	Coach_12_40	8.25
444/M	SWT cl.444 Motor (2/unit)	56.55	100.00	55.24	4.00	1909.00	Coach_12_60	13.93
444/T	SWT cl.444 Trailer (3/unit)	45.04	100.00	55.24	4.00	1798.00	Coach_12_50	10.23
450/M	Class 450 Motor (2/unit)	52.74	100.00	55.24	4.00	1909.00	Coach_12_50	12.68
450/T	Class 450 Trailer (2/unit)	43.26	100.00	55.24	4.00	1798.00	Coach_12_40	9.77
455/M	Elec MU	49.60	75.00	30.29	4.00	3000.00	Coach_23_50	11.11
455/T	Elec MU	32.00	75.00	30.29	4.00	1260.00	Coach_23_30	6.15
456/M	Elec MU	44.80	75.00	26.21	4.00	3000.00	Coach_12_40	7.62
456/T	Elec MU	34.00	75.00	26.21	4.00	1260.00	Coach_12_30	5.25
458/M	Elec MU	50.00	75.00	33.77	4.00	1662.00	Coach_80_50	13.00
458/T	Elec MU	38.80	75.00	33.77	4.00	1438.00	Coach_80_40	9.49
460/M	Class 460 Motor Car (5/Unit)	47.60	90.00	46.13	4.00	1666.00	Coach_80_50	13.92
460/T	Class 460 Trailer Car (3/Unit)	38.00	90.00	46.13	4.00	1438.00	Coach_80_40	10.30
465/M	Elec MU	39.20	75.00	28.37	4.00	3100.00	Coach_80_40	9.69
465/T	Elec MU	31.60	75.00	28.37	4.00	1239.00	Coach_80_30	6.52
466/M	Elec MU	39.20	75.00	28.52	4.00	3000.00	Coach_12_40	6.89
466/T	Elec MU	31.60	75.00	33.77	4.00	1250.00	Coach_12_30	5.40
489/M	Elec MU	42.40	90.00	46.13	4.00	3100.00	Coach_12_40	9.41
507/M	Elec MU	40.00	75.00	28.05	4.00	3000.00	Coach_12_40	6.98
507/T	Elec MU	30.20	75.00	28.05	4.00	1260.00	Coach_12_30	4.87
508/M	Elec MU	40.00	75.00	30.37	4.00	3000.00	Coach_12_40	7.23
508/T	Elec MU	30.20	75.00	30.37	4.00	1260.00	Coach_12_30	5.01
D	Coach	37.20	100.00	70.61	4.00	1260.00	Coach_12_40	8.82
V	DVT (Virgin)	45.00	100.00	77.70	4.00	1500.00	Coach_80_50	15.99
W	DVT (GNER)	45.00	140.00	96.55	4.00	1500.00	Coach_80_50	17.54
Y	Coach	36.80	125.00	77.70	4.00	1260.00	Artic2_80	14.64