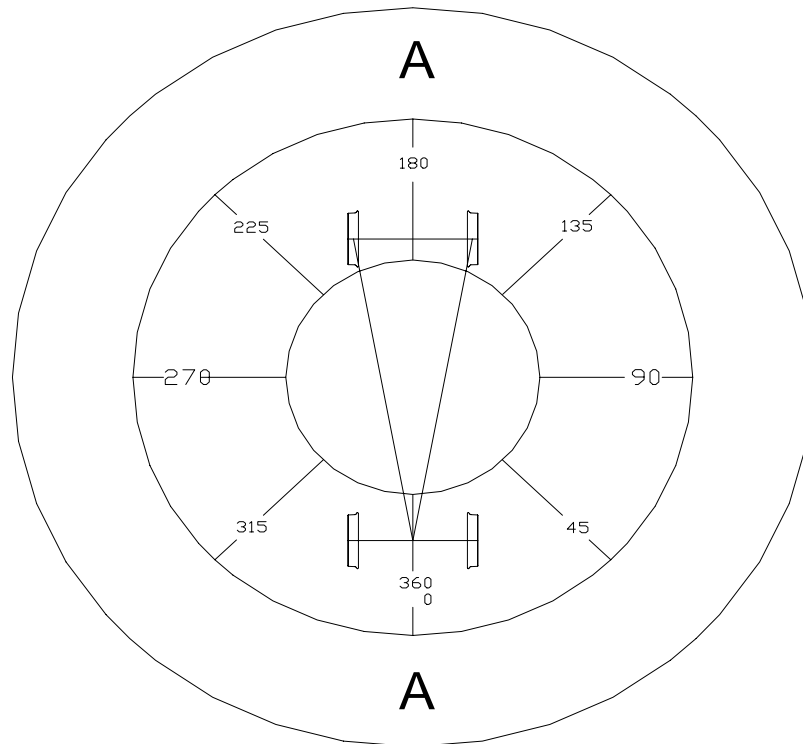


REXQUOTE

Broadgauge Business Park
Bishops Lydeard, Somerset. TA4 3RU
TEL:01823 433398 FAX:01823 433378
e-mail: sales@rexquote.co.uk Web: Rexquote.co.uk

Fixed Axle



Oscillating Axle

ROAD DUTIES

Machine Type:	KOMATSU PC138
Rail Axle Number:	1976
Serial Number:	4692
Network Rail Number:	99709 911019-6
Equipment:	Boom 4.6m Arm 3.01m
Date:	29 June 2010
Issue:	2
Software Version:	V2.09

This machine is equipped with a Rexquote Rated Capacity Indicator. This system is designed to comply with RAILWAY SAFETY STANDARD RIS-1530-PLT Issue 1

Radius / Height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the lifting point with no other equipment attached.

Loads marked 'b' boom and 'a' arm are limited by hydraulic capacity.

All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 28mm.

NETWORK RAIL ROAD DUTIES

SECTOR A

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m	7.5m
Road	7.0m	-	-	-	-	3.10b	3.09	2.67	-	-	-	-
	6.0m	-	-	-	-	2.95b	2.97b	2.71	2.38	2.08	-	-
Unlocked	5.0m	-	-	-	-	3.10b	3.06b	2.7	2.37	2.1	1.86	-
	4.0m	-	-	3.86b	3.68b	3.49	3.02	2.64	2.33	2.07	1.85	1.66
71% SWL	3.0m	-	-	4.66	3.91	3.35	2.91	2.56	2.27	2.03	1.82	1.64
	2.0m	-	-	4.34	3.68	3.18	2.78	2.46	2.19	1.97	1.77	1.61
	1.0m	-	-	4.07	3.48	3.03	2.66	2.37	2.12	1.91	1.73	1.57
	0.0m	-	-	3.92	3.35	2.91	2.57	2.29	2.06	1.86	1.69	1.54
	-1.0m	5.9	4.67	3.86	3.28	2.85	2.51	2.24	2.02	1.83	1.67	1.53
	-2.0m	5.94	4.68	3.85	3.27	2.83	2.49	2.22	2	1.82	1.67	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m	7.5m
Road	7.0m	-	-	-	-	3.10b	3.09	2.67	-	-	-	-
	6.0m	-	-	-	-	2.95b	2.97b	2.71	2.38	2.08	-	-
Locked	5.0m	-	-	-	-	3.10b	3.06b	2.7	2.37	2.1	1.86	-
	4.0m	-	-	3.86b	3.68b	3.49	3.02	2.64	2.33	2.07	1.85	1.66
71% SWL	3.0m	-	-	4.66	3.91	3.35	2.91	2.56	2.27	2.03	1.82	1.64
	2.0m	-	-	4.34	3.68	3.18	2.78	2.46	2.19	1.97	1.77	1.61
	1.0m	-	-	4.07	3.48	3.03	2.66	2.37	2.12	1.91	1.73	1.57
	0.0m	-	-	3.92	3.35	2.91	2.57	2.29	2.06	1.86	1.69	1.54
	-1.0m	5.9	4.67	3.86	3.28	2.85	2.51	2.24	2.02	1.83	1.67	1.53
	-2.0m	5.94	4.68	3.85	3.27	2.83	2.49	2.22	2	1.82	1.67	-

LUL ROAD DUTIES

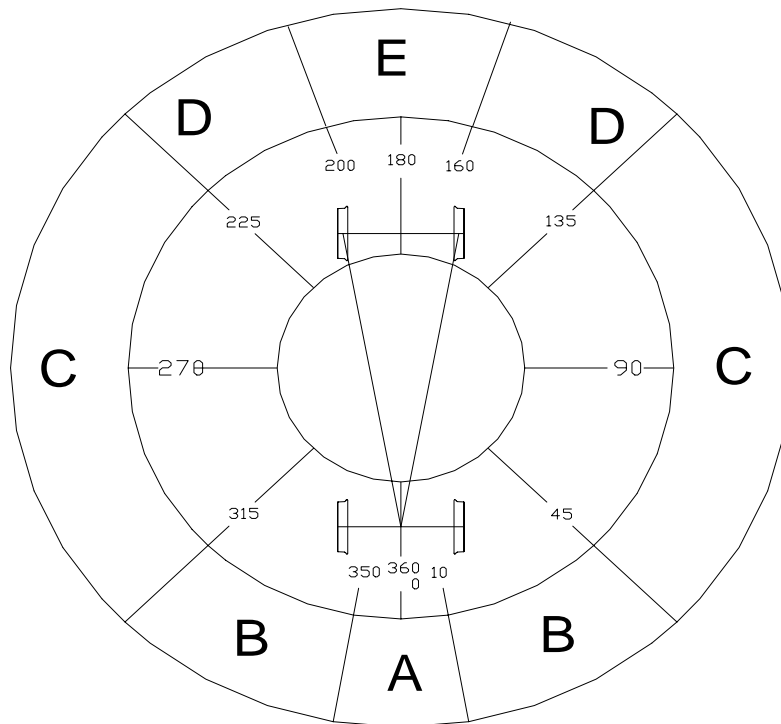
	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m	7.5m
Road	7.0m	-	-	-	-	3.10b	3.15b	2.82	-	-	-	-
	6.0m	-	-	-	-	2.95b	2.97b	2.87	2.51	2.2	-	-
Unlocked	5.0m	-	-	-	-	3.10b	3.06b	2.85	2.51	2.22	1.97	-
	4.0m	-	-	3.86b	3.68b	3.51b	3.19	2.79	2.46	2.19	1.96	1.75
75% SWL	3.0m	-	-	4.92	4.13	3.54	3.07	2.7	2.4	2.14	1.92	1.73
	2.0m	-	-	4.58	3.89	3.36	2.94	2.6	2.32	2.08	1.87	1.7
	1.0m	-	-	4.3	3.68	3.2	2.81	2.5	2.24	2.02	1.83	1.66
	0.0m	-	-	4.14	3.54	3.08	2.72	2.42	2.17	1.96	1.79	1.63
	-1.0m	6.23	4.93	4.08	3.47	3.01	2.66	2.37	2.13	1.93	1.76	1.62
	-2.0m	6.27	4.94	4.07	3.45	2.99	2.63	2.35	2.11	1.92	1.76	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m	7.5m
Road	7.0m	-	-	-	-	3.10b	3.15b	2.82	-	-	-	-
	6.0m	-	-	-	-	2.95b	2.97b	2.87	2.51	2.2	-	-
Locked	5.0m	-	-	-	-	3.10b	3.06b	2.85	2.51	2.22	1.97	-
	4.0m	-	-	3.86b	3.68b	3.51b	3.19	2.79	2.46	2.19	1.96	1.75
75% SWL	3.0m	-	-	4.92	4.13	3.54	3.07	2.7	2.4	2.14	1.92	1.73
	2.0m	-	-	4.58	3.89	3.36	2.94	2.6	2.32	2.08	1.87	1.7
	1.0m	-	-	4.3	3.68	3.2	2.81	2.5	2.24	2.02	1.83	1.66
	0.0m	-	-	4.14	3.54	3.08	2.72	2.42	2.17	1.96	1.79	1.63
	-1.0m	6.23	4.93	4.08	3.47	3.01	2.66	2.37	2.13	1.93	1.76	1.62
	-2.0m	6.27	4.94	4.07	3.45	2.99	2.63	2.35	2.11	1.92	1.76	-

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Fixed Axle



Oscillating Axle

LEVEL & CANTED RAIL DUTIES

Machine Type:	KOMATSU PC138
Rail Axle Number:	1976
Serial Number:	4692
Network Rail Number:	99709 911019-6
Equipment:	Boom 4.6m Arm 3.01m
Date:	29 June 2010
Issue:	2
Software Version:	V2.09

This machine is equipped with a Rexquote Rated Capacity Indicator. This system is designed to comply with RAILWAY SAFETY STANDARD RIS-1530-PLT Issue 1


Radius / Height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the lifting point with no other equipment attached.


Loads marked 'b' boom and 'a' arm are limited by hydraulic capacity.


All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 28mm.


NETWORK RAIL DUTIES

SECTOR A

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	3.05b	3.09b	3.15b	-	-	-	-
	6	-	-	-	-	2.95b	2.97b	2.97b	2.99b	2.90a	-	-
0-50mm	5	-	-	-	3.19b	3.15b	3.10b	3.05b	3.01b	2.98b	2.97b	-
	4	-	-	4.06b	3.82b	3.61b	3.45b	3.30b	3.19b	3.09b	3.01b	2.90a
87% SWL	3	-	-	5.38b	4.74b	4.28b	3.93b	3.67b	3.45b	3.28b	3.14b	3.02b
	2	-	-	6.82b	5.74b	5.00b	4.46b	4.06b	3.75b	3.50b	3.29b	3.11b
Unlocked	1	-	-	7.79b	6.49b	5.57b	4.91b	4.40b	4.00b	3.68b	3.42b	3.19b
	0	-	6.81a	8.09b	6.82b	5.87b	5.16b	4.60b	4.15b	3.78b	3.47b	3.18b
	-1	6.77a	8.84a	7.88b	6.74b	5.86b	5.16b	4.60b	4.14b	3.73b	3.37b	2.98a
	-2	-	8.50b	7.27b	6.31b	5.53b	4.89b	4.35b	3.88b	3.45b	2.97b	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	3.05b	3.09b	3.15b	-	-	-	-
	6	-	-	-	-	2.95b	2.97b	2.97b	2.99b	2.90a	-	-
0-50mm	5	-	-	-	3.19b	3.15b	3.10b	3.05b	3.01b	2.98b	2.97b	-
	4	-	-	4.06b	3.82b	3.61b	3.45b	3.30b	3.19b	3.09b	3.01b	2.90a
87% SWL	3	-	-	5.38b	4.74b	4.28b	3.93b	3.67b	3.45b	3.28b	3.14b	3.02b
	2	-	-	6.82b	5.74b	5.00b	4.46b	4.06b	3.75b	3.50b	3.29b	3.11b
Locked	1	-	-	7.79b	6.49b	5.57b	4.91b	4.40b	4.00b	3.68b	3.42b	3.19b
	0	-	6.81a	8.09b	6.82b	5.87b	5.16b	4.60b	4.15b	3.78b	3.47b	3.18b
	-1	6.77a	8.84a	7.88b	6.74b	5.86b	5.16b	4.60b	4.14b	3.73b	3.37b	2.98a
	-2	-	8.50b	7.27b	6.31b	5.53b	4.89b	4.35b	3.88b	3.45b	2.97b	-

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	3.05b	3.09b	3.15b	-	-	-	-
	6	-	-	-	-	2.95b	2.97b	2.97b	2.99b	2.90a	-	-
50-150mm	5	-	-	-	3.19b	3.15b	3.10b	3.05b	3.01b	2.98b	2.97b	-
	4	-	-	4.06b	3.82b	3.61b	3.45b	3.30b	3.19b	3.09b	3.01b	2.90a
87% SWL	3	-	-	5.38b	4.74b	4.28b	3.93b	3.67b	3.45b	3.28b	3.14b	3.02b
	2	-	-	6.82b	5.74b	5.00b	4.46b	4.06b	3.75b	3.50b	3.29b	3.11b
Unlocked	1	-	-	7.79b	6.49b	5.57b	4.91b	4.40b	4.00b	3.68b	3.42b	3.19b
	0	-	6.81a	8.09b	6.82b	5.87b	5.16b	4.60b	4.15b	3.78b	3.47b	3.18b
	-1	6.77a	8.84a	7.88b	6.74b	5.86b	5.16b	4.60b	4.14b	3.73b	3.37b	2.98a
	-2	-	8.50b	7.27b	6.31b	5.53b	4.89b	4.35b	3.88b	3.45b	2.97b	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	3.05b	3.09b	3.15b	-	-	-	-
	6	-	-	-	-	2.95b	2.97b	2.97b	2.99b	2.90a	-	-
50-150mm	5	-	-	-	3.19b	3.15b	3.10b	3.05b	3.01b	2.98b	2.97b	-
	4	-	-	4.06b	3.82b	3.61b	3.45b	3.30b	3.19b	3.09b	3.01b	2.90a
87% SWL	3	-	-	5.38b	4.74b	4.28b	3.93b	3.67b	3.45b	3.28b	3.14b	3.02b
	2	-	-	6.82b	5.74b	5.00b	4.46b	4.06b	3.75b	3.50b	3.29b	3.11b
Locked	1	-	-	7.79b	6.49b	5.57b	4.91b	4.40b	4.00b	3.68b	3.42b	3.19b
	0	-	6.81a	8.09b	6.82b	5.87b	5.16b	4.60b	4.15b	3.78b	3.47b	3.18b
	-1	6.77a	8.84a	7.88b	6.74b	5.86b	5.16b	4.60b	4.14b	3.73b	3.37b	2.98a
	-2	-	8.50b	7.27b	6.31b	5.53b	4.89b	4.35b	3.88b	3.45b	2.97b	-

LUL RAIL DUTIES


SECTOR A

0-50mm
87% SWL
Unlocked


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
7	-	-	-	-	3.05b	3.09b	3.15b	-	-	-	-	-
6	-	-	-	-	2.95b	2.97b	2.97b	2.99b	2.90a	-	-	-
5	-	-	-	3.19b	3.15b	3.10b	3.05b	3.01b	2.98b	2.97b	-	-
4	-	-	4.06b	3.82b	3.61b	3.45b	3.30b	3.19b	3.09b	3.01b	2.90a	-
3	-	-	5.38b	4.74b	4.28b	3.93b	3.67b	3.45b	3.28b	3.14b	3.02b	-
2	-	-	6.82b	5.74b	5.00b	4.46b	4.06b	3.75b	3.50b	3.29b	3.11b	2.43a
1	-	-	7.79b	6.49b	5.57b	4.91b	4.40b	4.00b	3.68b	3.42b	3.19b	2.37a
0	-	6.81a	8.09b	6.82b	5.87b	5.16b	4.60b	4.15b	3.78b	3.47b	3.18b	-
-1	6.77a	8.84a	7.88b	6.74b	5.86b	5.16b	4.60b	4.14b	3.73b	3.37b	2.98a	-
-2	-	8.50b	7.27b	6.31b	5.53b	4.89b	4.35b	3.88b	3.45b	2.97b	-	-

Level Rail
0-50mm
87% SWL
Locked


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
7	-	-	-	-	3.05b	3.09b	3.15b	-	-	-	-	-
6	-	-	-	-	2.95b	2.97b	2.97b	2.99b	2.90a	-	-	-
5	-	-	-	3.19b	3.15b	3.10b	3.05b	3.01b	2.98b	2.97b	-	-
4	-	-	4.06b	3.82b	3.61b	3.45b	3.30b	3.19b	3.09b	3.01b	2.90a	-
3	-	-	5.38b	4.74b	4.28b	3.93b	3.67b	3.45b	3.28b	3.14b	3.02b	-
2	-	-	6.82b	5.74b	5.00b	4.46b	4.06b	3.75b	3.50b	3.29b	3.11b	2.43a
1	-	-	7.79b	6.49b	5.57b	4.91b	4.40b	4.00b	3.68b	3.42b	3.19b	2.37a
0	-	6.81a	8.09b	6.82b	5.87b	5.16b	4.60b	4.15b	3.78b	3.47b	3.18b	-
-1	6.77a	8.84a	7.88b	6.74b	5.86b	5.16b	4.60b	4.14b	3.73b	3.37b	2.98a	-
-2	-	8.50b	7.27b	6.31b	5.53b	4.89b	4.35b	3.88b	3.45b	2.97b	-	-

Canted Rail
0-50mm
87% SWL
Unlocked



	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
7	-	-	-	-	3.05b	3.09b	3.15b	-	-	-	-	-
6	-	-	-	-	2.95b	2.97b	2.97b	2.99b	2.90a	-	-	-
5	-	-	-	3.19b	3.15b	3.10b	3.05b	3.01b	2.98b	2.97b	-	-
4	-	-	4.06b	3.82b	3.61b	3.45b	3.30b	3.19b	3.09b	3.01b	2.90a	-
3	-	-	5.38b	4.74b	4.28b	3.93b	3.67b	3.45b	3.28b	3.14b	3.02b	-
2	-	-	6.82b	5.74b	5.00b	4.46b	4.06b	3.75b	3.50b	3.29b	3.11b	2.43a
1	-	-	7.79b	6.49b	5.57b	4.91b	4.40b	4.00b	3.68b	3.42b	3.19b	2.37a
0	-	6.81a	8.09b	6.82b	5.87b	5.16b	4.60b	4.15b	3.78b	3.47b	3.18b	-
-1	6.77a	8.84a	7.88b	6.74b	5.86b	5.16b	4.60b	4.14b	3.73b	3.37b	2.98a	-
-2	-	8.50b	7.27b	6.31b	5.53b	4.89b	4.35b	3.88b	3.45b	2.97b	-	-


Canted Rail
50-150mm
87% SWL
Locked



	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
7	-	-	-	-	3.05b	3.09b	3.15b	-	-	-	-	-
6	-	-	-	-	2.95b	2.97b	2.97b	2.99b	2.90a	-	-	-
5	-	-	-	3.19b	3.15b	3.10b	3.05b	3.01b	2.98b	2.97b	-	-
4	-	-	4.06b	3.82b	3.61b	3.45b	3.30b	3.19b	3.09b	3.01b	2.90a	-
3	-	-	5.38b	4.74b	4.28b	3.93b	3.67b	3.45b	3.28b	3.14b	3.02b	-
2	-	-	6.82b	5.74b	5.00b	4.46b	4.06b	3.75b	3.50b	3.29b	3.11b	2.43a
1	-	-	7.79b	6.49b	5.57b	4.91b	4.40b	4.00b	3.68b	3.42b	3.19b	2.37a
0	-	6.81a	8.09b	6.82b	5.87b	5.16b	4.60b	4.15b	3.78b	3.47b	3.18b	-
-1	6.77a	8.84a	7.88b	6.74b	5.86b	5.16b	4.60b	4.14b	3.73b	3.37b	2.98a	-
-2	-	8.50b	7.27b	6.31b	5.53b	4.89b	4.35b	3.88b	3.45b	2.97b	-	-


NETWORK RAIL DUTIES

SECTOR B

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail												
7	-	-	-	-	2.13	1.74	1.42	-	-	-	-	-
6	-	-	-	-	2.14	1.76	1.46	1.21	1.01	-	-	-
0-50mm												
5	-	-	-	2.59	2.09	1.72	1.43	1.2	1.01	0.85	-	-
4	-	-	3.09	2.43	1.97	1.63	1.36	1.15	0.98	0.84	0.71	-
67% SWL												
3	-	-	2.77	2.2	1.8	1.5	1.27	1.08	0.93	0.8	0.68	-
2	-	-	2.38	1.94	1.62	1.36	1.16	1	0.87	0.75	0.65	0.54
Unlocked												
1	-	-	2.09	1.72	1.45	1.24	1.07	0.92	0.81	0.7	0.62	0.51
0	-	2.46	1.94	1.59	1.34	1.14	0.99	0.86	0.76	0.67	0.58	-
	-1	3.39	2.43	1.88	1.53	1.28	1.09	0.94	0.83	0.73	0.65	0.57
	-2	-	2.45	1.88	1.52	1.26	1.07	0.93	0.82	0.72	0.65	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail												
7	-	-	-	-	3.05b	3.09b	3.15b	-	-	-	-	-
6	-	-	-	-	2.95b	2.97b	2.97b	2.84	2.25	-	-	-
0-50mm												
5	-	-	-	3.19b	3.15b	3.10b	3.05b	2.82	2.26	1.8	-	-
4	-	-	4.06b	3.82b	3.61b	3.45b	3.30b	2.72	2.19	1.77	1.43	-
90% SWL												
3	-	-	5.38b	4.74b	4.28b	3.93b	3.18	2.57	2.07	1.69	1.38	-
2	-	-	6.82b	5.74b	4.87	3.71	2.95	2.39	1.94	1.6	1.32	1.08
Locked												
1	-	-	7.79b	6.23	4.45	3.42	2.75	2.22	1.81	1.5	1.25	1.04
0	-	6.81a	8.09b	5.83	4.16	3.21	2.57	2.08	1.71	1.43	1.2	-
	-1	6.77a	8.84a	7.88b	5.64	4.01	3.09	2.46	2	1.65	1.38	1.18
	-2	-	8.50b	7.27b	5.62	3.98	3.05	2.43	1.98	1.64	1.4	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail												
7	-	-	-	-	1.72	1.43	1.18	-	-	-	-	-
6	-	-	-	-	1.73	1.44	1.21	1.02	0.85	-	-	-
50-150mm												
5	-	-	-	2.04	1.68	1.41	1.19	1.01	0.85	0.72	-	-
4	-	-	2.36	1.91	1.59	1.33	1.13	0.96	0.82	0.7	0.59	-
67% SWL												
3	-	-	2.09	1.72	1.44	1.22	1.05	0.9	0.78	0.67	0.56	-
2	-	-	1.79	1.51	1.28	1.1	0.95	0.83	0.72	0.63	0.51	0.4
Unlocked												
1	-	-	1.55	1.33	1.14	0.99	0.87	0.76	0.67	0.57	0.47	0.37
0	-	1.73	1.43	1.21	1.05	0.91	0.8	0.7	0.62	0.52	0.43	-
	-1	2.2	1.7	1.39	1.16	1	0.87	0.76	0.67	0.59	0.49	0.42
	-2	-	1.72	1.39	1.16	0.98	0.85	0.75	0.66	0.58	0.51	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail												
7	-	-	-	-	3.05b	3.09b	2.44	-	-	-	-	-
6	-	-	-	-	2.95b	2.97b	2.5	1.95	1.51	-	-	-
50-150mm												
5	-	-	-	3.19b	3.15b	3.10b	2.45	1.92	1.52	1.18	-	-
4	-	-	4.06b	3.82b	3.61b	2.95	2.32	1.83	1.45	1.15	0.9	-
90% SWL												
3	-	-	5.38b	4.67	3.48	2.72	2.13	1.69	1.35	1.08	0.86	-
2	-	-	5.82	4.09	3.1	2.42	1.91	1.53	1.23	1	0.8	0.63
Locked												
1	-	-	5.06	3.6	2.76	2.15	1.71	1.38	1.12	0.91	0.74	0.59
0	-	6.81a	4.67	3.3	2.51	1.96	1.56	1.26	1.03	0.84	0.69	-
	-1	6.77a	7.72	4.52	3.17	2.38	1.84	1.47	1.19	0.97	0.8	0.67
	-2	-	7.8	4.53	3.15	2.35	1.81	1.44	1.17	0.97	0.82	-


LUL RAIL DUTIES

SECTOR B

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	2.38	1.94	1.59	-	-	-	-
	6	-	-	-	-	2.4	1.96	1.63	1.36	1.13	-	-
0-50mm	5	-	-	-	2.89	2.33	1.92	1.6	1.35	1.13	0.95	-
	4	-	-	3.46	2.72	2.21	1.82	1.53	1.29	1.1	0.94	0.79
75% SWL	3	-	-	3.1	2.47	2.02	1.68	1.42	1.21	1.04	0.89	0.77
	2	-	-	2.67	2.17	1.81	1.53	1.3	1.12	0.97	0.84	0.73
Unlocked	1	-	-	2.34	1.93	1.62	1.39	1.19	1.03	0.9	0.79	0.69
	0	-	2.76	2.17	1.78	1.5	1.28	1.11	0.97	0.85	0.75	0.66
	-1	3.8	2.72	2.11	1.71	1.43	1.22	1.06	0.92	0.82	0.72	0.65
	-2	-	2.75	2.11	1.7	1.41	1.2	1.04	0.91	0.81	0.73	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	3.05b	3.09b	2.92	-	-	-	-
	6	-	-	-	-	2.95b	2.97b	2.97	2.37	1.91	-	-
0-50mm	5	-	-	-	3.19b	3.15b	3.10b	2.93	2.35	1.92	1.58	-
	4	-	-	4.06b	3.82b	3.61b	3.45b	2.81	2.27	1.86	1.55	1.3
75% SWL	3	-	-	5.38b	4.74b	4.28b	3.36	2.65	2.15	1.78	1.49	1.26
	2	-	-	6.82b	5.74b	4.06	3.09	2.46	2.01	1.68	1.42	1.21
Locked	1	-	-	7.79b	5.19	3.71	2.85	2.29	1.89	1.59	1.35	1.16
	0	-	6.81a	7.95	4.86	3.47	2.67	2.15	1.79	1.51	1.29	1.12
	-1	6.77a	8.84a	7.76	4.7	3.34	2.57	2.07	1.72	1.46	1.26	1.11
	-2	-	8.50b	7.27b	4.68	3.31	2.54	2.05	1.71	1.46	1.27	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	1.93	1.6	1.32	-	-	-	-
	6	-	-	-	-	1.94	1.61	1.35	1.14	0.95	-	-
50-150mm	5	-	-	-	2.28	1.88	1.58	1.33	1.13	0.95	0.8	-
	4	-	-	2.64	2.14	1.78	1.49	1.26	1.08	0.92	0.79	0.67
75% SWL	3	-	-	2.34	1.93	1.62	1.37	1.17	1.01	0.87	0.75	0.64
	2	-	-	2	1.69	1.44	1.24	1.07	0.93	0.81	0.7	0.61
Unlocked	1	-	-	1.74	1.49	1.28	1.11	0.97	0.85	0.75	0.65	0.57
	0	-	1.94	1.6	1.36	1.17	1.02	0.9	0.79	0.7	0.62	0.55
	-1	2.46	1.91	1.55	1.3	1.12	0.97	0.85	0.75	0.67	0.6	0.54
	-2	-	1.93	1.55	1.29	1.1	0.95	0.84	0.74	0.66	0.6	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	3.05b	2.63	2.05	-	-	-	-
	6	-	-	-	-	2.95b	2.66	2.1	1.69	1.35	-	-
50-150mm	5	-	-	-	3.19b	3.15b	2.6	2.06	1.67	1.36	1.11	-
	4	-	-	4.06b	3.82b	3.18	2.46	1.96	1.6	1.32	1.09	0.9
75% SWL	3	-	-	5.38b	3.89	2.9	2.26	1.82	1.49	1.24	1.04	0.87
	2	-	-	4.85	3.41	2.58	2.04	1.66	1.37	1.15	0.97	0.82
Locked	1	-	-	4.22	3	2.3	1.84	1.51	1.26	1.07	0.91	0.78
	0	-	6.53	3.89	2.75	2.11	1.69	1.4	1.17	1	0.86	0.74
	-1	6.77a	6.43	3.77	2.64	2.01	1.61	1.33	1.12	0.96	0.83	0.73
	-2	-	6.5	3.78	2.62	1.98	1.58	1.3	1.1	0.95	0.84	-


NETWORK RAIL DUTIES

SECTOR C

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	1.49	1.22	1	-	-	-	-
	6	-	-	-	-	1.5	1.24	1.03	0.85	0.7	-	-
0-50mm	5	-	-	-	1.78	1.45	1.2	1	0.84	0.7	0.56	-
	4	-	-	2.05	1.65	1.36	1.13	0.95	0.8	0.67	0.54	0.39
67% SWL	3	-	-	1.79	1.46	1.21	1.02	0.86	0.73	0.62	0.49	0.36
	2	-	-	1.48	1.24	1.05	0.9	0.77	0.66	0.55	0.42	0.32
Unlocked	1	-	-	1.25	1.06	0.91	0.79	0.68	0.58	0.46	0.36	0.27
	0	-	1.36	1.12	0.95	0.82	0.71	0.62	0.5	0.4	0.31	0.23
	-1	1.74	1.33	1.08	0.9	0.77	0.66	0.56	0.45	0.36	0.28	0.22
	-2	-	1.35	1.08	0.89	0.75	0.65	0.54	0.44	0.36	0.29	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	3.05b	2.72	2.07	-	-	-	-
	6	-	-	-	-	2.95b	2.75	2.13	1.66	1.27	-	-
0-50mm	5	-	-	-	3.19b	3.15b	2.68	2.08	1.63	1.28	0.99	-
	4	-	-	4.06b	3.82b	3.22	2.51	1.96	1.54	1.22	0.96	0.74
90% SWL	3	-	-	5.31	3.82	2.92	2.27	1.78	1.41	1.13	0.89	0.7
	2	-	-	4.48	3.31	2.56	1.99	1.58	1.27	1.02	0.81	0.64
Locked	1	-	-	3.85	2.88	2.22	1.75	1.4	1.13	0.91	0.73	0.58
	0	-	5.33	3.53	2.61	1.99	1.57	1.25	1.01	0.82	0.66	0.53
	-1	6.77a	5.24	3.41	2.48	1.87	1.46	1.17	0.95	0.77	0.63	0.52
	-2	-	5.31	3.41	2.46	1.84	1.43	1.14	0.93	0.76	0.64	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	1.45	1.16	0.93	-	-	-	-
	6	-	-	-	-	1.45	1.18	0.96	0.78	0.62	-	-
50-150mm	5	-	-	-	1.75	1.4	1.14	0.94	0.77	0.63	0.45	-
	4	-	-	2.05	1.61	1.3	1.06	0.87	0.72	0.59	0.43	0.29
67% SWL	3	-	-	1.76	1.41	1.15	0.95	0.79	0.66	0.52	0.38	0.25
	2	-	-	1.42	1.17	0.97	0.82	0.69	0.57	0.43	0.31	0.21
Unlocked	1	-	-	1.16	0.97	0.82	0.7	0.59	0.46	0.34	0.24	0.16
	0	-	1.27	1.02	0.85	0.72	0.61	0.48	0.37	0.28	0.19	0.12
	-1	1.68	1.24	0.97	0.79	0.66	0.54	0.42	0.32	0.23	0.16	0.11
	-2	-	1.26	0.97	0.78	0.65	0.52	0.4	0.3	0.23	0.17	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	2.97	2.27	1.72	-	-	-	-
	6	-	-	-	-	2.95b	2.3	1.77	1.36	1.03	-	-
50-150mm	5	-	-	-	3.19b	2.9	2.23	1.73	1.34	1.03	0.78	-
	4	-	-	4.06b	3.53	2.7	2.07	1.61	1.26	0.98	0.75	0.55
90% SWL	3	-	-	4.24	3.13	2.39	1.84	1.44	1.13	0.89	0.69	0.51
	2	-	-	3.51	2.66	2.04	1.59	1.25	0.99	0.78	0.61	0.46
Locked	1	-	-	2.96	2.23	1.72	1.36	1.08	0.86	0.68	0.53	0.4
	0	-	3.81	2.67	1.96	1.51	1.19	0.94	0.75	0.6	0.47	0.36
	-1	6.67	3.74	2.55	1.84	1.4	1.09	0.86	0.69	0.55	0.43	0.34
	-2	-	3.79	2.55	1.82	1.37	1.06	0.84	0.67	0.54	0.44	-


LUL RAIL DUTIES

SECTOR C

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	1.67	1.37	1.12	-	-	-	-
	6	-	-	-	-	1.68	1.39	1.15	0.95	0.78	-	-
0-50mm	5	-	-	-	1.99	1.63	1.35	1.12	0.94	0.78	0.65	-
	4	-	-	2.29	1.85	1.52	1.26	1.06	0.89	0.75	0.63	0.52
75% SWL	3	-	-	2	1.64	1.36	1.14	0.97	0.82	0.7	0.59	0.5
	2	-	-	1.66	1.39	1.18	1.01	0.86	0.74	0.63	0.54	0.46
Unlocked	1	-	-	1.39	1.19	1.02	0.88	0.76	0.66	0.57	0.5	0.43
	0	-	1.52	1.26	1.07	0.92	0.79	0.69	0.6	0.52	0.46	0.4
	-1	1.94	1.49	1.21	1.01	0.86	0.74	0.64	0.56	0.5	0.44	0.39
	-2	-	1.52	1.21	1	0.84	0.73	0.63	0.55	0.49	0.45	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	2.92	2.26	1.78	-	-	-	-
	6	-	-	-	-	2.94	2.29	1.82	1.47	1.18	-	-
0-50mm	5	-	-	-	3.19b	2.86	2.23	1.79	1.45	1.19	0.97	-
	4	-	-	4.06b	3.55	2.68	2.1	1.69	1.38	1.14	0.94	0.78
75% SWL	3	-	-	4.42	3.18	2.43	1.92	1.56	1.29	1.07	0.89	0.75
	2	-	-	3.74	2.76	2.14	1.72	1.41	1.17	0.99	0.83	0.7
Locked	1	-	-	3.21	2.4	1.89	1.54	1.27	1.07	0.91	0.77	0.66
	0	-	4.44	2.94	2.18	1.72	1.4	1.17	0.99	0.84	0.72	0.63
	-1	6.77a	4.37	2.84	2.08	1.63	1.32	1.1	0.93	0.8	0.7	0.61
	-2	-	4.42	2.84	2.07	1.6	1.3	1.08	0.92	0.8	0.71	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	1.62	1.3	1.04	-	-	-	-
	6	-	-	-	-	1.63	1.32	1.07	0.87	0.7	-	-
50-150mm	5	-	-	-	1.96	1.57	1.28	1.05	0.86	0.7	0.57	-
	4	-	-	2.29	1.81	1.45	1.19	0.98	0.81	0.67	0.55	0.44
75% SWL	3	-	-	1.97	1.57	1.28	1.06	0.88	0.73	0.61	0.51	0.42
	2	-	-	1.59	1.31	1.09	0.91	0.77	0.65	0.55	0.46	0.38
Unlocked	1	-	-	1.29	1.09	0.92	0.78	0.67	0.57	0.48	0.41	0.34
	0	-	1.42	1.14	0.95	0.8	0.68	0.59	0.5	0.43	0.37	0.32
	-1	1.88	1.38	1.09	0.89	0.74	0.63	0.54	0.46	0.4	0.35	0.31
	-2	-	1.41	1.09	0.88	0.73	0.61	0.52	0.45	0.4	0.36	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	2.47	1.93	1.51	-	-	-	-
	6	-	-	-	-	2.49	1.95	1.55	1.25	1	-	-
50-150mm	5	-	-	-	3.17	2.41	1.9	1.52	1.23	1	0.81	-
	4	-	-	4.05	2.94	2.25	1.78	1.43	1.17	0.96	0.79	0.64
75% SWL	3	-	-	3.53	2.61	2.02	1.61	1.31	1.08	0.89	0.74	0.61
	2	-	-	2.93	2.22	1.75	1.42	1.17	0.97	0.81	0.68	0.57
Locked	1	-	-	2.46	1.9	1.52	1.24	1.03	0.87	0.73	0.62	0.53
	0	-	3.18	2.22	1.7	1.36	1.12	0.93	0.79	0.67	0.57	0.49
	-1	5.56	3.12	2.14	1.61	1.27	1.04	0.87	0.74	0.63	0.55	0.48
	-2	-	3.16	2.14	1.59	1.25	1.02	0.85	0.73	0.63	0.56	-


NETWORK RAIL DUTIES

SECTOR D

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail												
7	-	-	-	-	2.13	1.74	1.42	-	-	-	-	-
6	-	-	-	-	2.14	1.76	1.46	1.21	1.01	-	-	-
0-50mm												
5	-	-	-	2.59	2.09	1.72	1.43	1.2	1.01	0.85	-	-
4	-	-	3.09	2.43	1.97	1.63	1.36	1.15	0.98	0.84	0.71	-
67% SWL												
3	-	-	2.77	2.2	1.8	1.5	1.27	1.08	0.93	0.8	0.68	-
2	-	-	2.38	1.94	1.62	1.36	1.16	1	0.87	0.75	0.65	0.54
Unlocked												
1	-	-	2.09	1.72	1.45	1.24	1.07	0.92	0.81	0.7	0.62	0.51
0	-	2.46	1.94	1.59	1.34	1.14	0.99	0.86	0.76	0.67	0.58	-
												
-1	3.39	2.43	1.88	1.53	1.28	1.09	0.94	0.83	0.73	0.65	0.57	-
-2	-	2.45	1.88	1.52	1.26	1.07	0.93	0.82	0.72	0.65	-	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail												
7	-	-	-	-	3.05b	2.72	2.07	-	-	-	-	-
6	-	-	-	-	2.95b	2.75	2.13	1.66	1.27	-	-	-
0-50mm												
5	-	-	-	3.19b	3.15b	2.68	2.08	1.63	1.28	0.99	-	-
4	-	-	4.06b	3.82b	3.22	2.51	1.96	1.54	1.22	0.96	0.74	-
90% SWL												
3	-	-	5.31	3.82	2.92	2.27	1.78	1.41	1.13	0.89	0.7	-
2	-	-	4.48	3.31	2.56	1.99	1.58	1.27	1.02	0.81	0.64	0.49
Locked												
1	-	-	3.85	2.88	2.22	1.75	1.4	1.13	0.91	0.73	0.58	0.45
0	-	5.33	3.53	2.61	1.99	1.57	1.25	1.01	0.82	0.66	0.53	-
												
-1	6.77a	5.24	3.41	2.48	1.87	1.46	1.17	0.94	0.77	0.63	0.52	-
-2	-	5.31	3.41	2.46	1.84	1.43	1.14	0.93	0.76	0.64	-	-

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail												
7	-	-	-	-	1.82	1.47	1.19	-	-	-	-	-
6	-	-	-	-	1.83	1.49	1.22	1	0.82	-	-	-
50-150mm												
5	-	-	-	2.23	1.78	1.45	1.19	0.99	0.82	0.68	-	-
4	-	-	2.66	2.08	1.66	1.36	1.13	0.94	0.79	0.66	0.51	-
67% SWL												
3	-	-	2.33	1.85	1.5	1.24	1.03	0.87	0.74	0.62	0.48	-
2	-	-	1.95	1.58	1.31	1.1	0.93	0.79	0.67	0.56	0.43	0.31
Unlocked												
1	-	-	1.66	1.37	1.15	0.97	0.83	0.71	0.61	0.49	0.38	0.28
0	-	1.91	1.5	1.23	1.03	0.88	0.75	0.65	0.54	0.43	0.34	-
												
-1	2.65	1.88	1.45	1.17	0.97	0.82	0.71	0.61	0.5	0.4	0.33	-
-2	-	1.91	1.45	1.16	0.96	0.81	0.69	0.6	0.49	0.41	-	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail												
7	-	-	-	-	3.04	2.34	1.78	-	-	-	-	-
6	-	-	-	-	2.95b	2.37	1.83	1.42	1.07	-	-	-
50-150mm												
5	-	-	-	3.19b	2.97	2.3	1.78	1.39	1.08	0.82	-	-
4	-	-	4.06b	3.62	2.77	2.14	1.67	1.31	1.03	0.79	0.59	-
90% SWL												
3	-	-	4.36	3.22	2.47	1.91	1.5	1.19	0.93	0.73	0.55	-
2	-	-	3.63	2.75	2.12	1.66	1.31	1.04	0.83	0.65	0.5	0.36
Locked												
1	-	-	3.07	2.33	1.81	1.43	1.14	0.91	0.72	0.57	0.44	0.33
0	-	3.98	2.79	2.06	1.59	1.26	1	0.8	0.64	0.51	0.4	-
												
-1	6.77a	3.91	2.68	1.94	1.48	1.16	0.92	0.74	0.59	0.47	0.38	-
-2	-	3.96	2.68	1.92	1.45	1.13	0.9	0.72	0.59	0.49	-	-


LUL RAIL DUTIES

SECTOR D

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	2.38	1.94	1.59	-	-	-	-
	6	-	-	-	-	2.4	1.96	1.63	1.36	1.13	-	-
0-50mm	5	-	-	-	2.89	2.33	1.92	1.6	1.35	1.13	0.95	-
	4	-	-	3.46	2.72	2.21	1.82	1.53	1.29	1.1	0.94	0.79
75% SWL	3	-	-	3.1	2.47	2.02	1.68	1.42	1.21	1.04	0.89	0.77
	2	-	-	2.67	2.17	1.81	1.53	1.3	1.12	0.97	0.84	0.73
Unlocked	1	-	-	2.34	1.93	1.62	1.39	1.19	1.03	0.9	0.79	0.69
	0	-	2.76	2.17	1.78	1.5	1.28	1.11	0.97	0.85	0.75	0.66
	-1	3.8	2.72	2.11	1.71	1.43	1.22	1.06	0.92	0.82	0.72	0.65
	-2	-	2.75	2.11	1.7	1.41	1.2	1.04	0.91	0.81	0.73	-

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	2.92	2.26	1.78	-	-	-	-
	6	-	-	-	-	2.94	2.29	1.82	1.47	1.18	-	-
0-50mm	5	-	-	-	3.19b	2.86	2.23	1.79	1.45	1.19	0.97	-
	4	-	-	4.06b	3.55	2.68	2.1	1.69	1.38	1.14	0.94	0.78
75% SWL	3	-	-	4.42	3.18	2.43	1.92	1.56	1.29	1.07	0.89	0.75
	2	-	-	3.74	2.76	2.14	1.72	1.41	1.17	0.99	0.83	0.7
Locked	1	-	-	3.21	2.4	1.89	1.54	1.27	1.07	0.91	0.77	0.66
	0	-	4.44	2.94	2.18	1.72	1.4	1.17	0.99	0.84	0.72	0.63
	-1	6.77a	4.37	2.84	2.08	1.63	1.32	1.1	0.93	0.8	0.7	0.61
	-2	-	4.42	2.84	2.07	1.6	1.3	1.08	0.92	0.8	0.71	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	2.04	1.65	1.33	-	-	-	-
	6	-	-	-	-	2.05	1.67	1.37	1.12	0.91	-	-
50-150mm	5	-	-	-	2.49	1.99	1.62	1.34	1.11	0.92	0.76	-
	4	-	-	2.98	2.32	1.86	1.52	1.26	1.05	0.88	0.74	0.61
75% SWL	3	-	-	2.61	2.07	1.68	1.39	1.16	0.97	0.82	0.7	0.58
	2	-	-	2.18	1.77	1.47	1.23	1.04	0.88	0.75	0.64	0.55
Unlocked	1	-	-	1.85	1.53	1.28	1.09	0.93	0.8	0.69	0.59	0.51
	0	-	2.14	1.68	1.38	1.15	0.98	0.84	0.73	0.63	0.55	0.48
	-1	2.97	2.11	1.62	1.31	1.09	0.92	0.79	0.69	0.6	0.53	0.47
	-2	-	2.13	1.62	1.3	1.07	0.9	0.78	0.68	0.6	0.54	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	2.54	1.98	1.56	-	-	-	-
	6	-	-	-	-	2.55	2	1.6	1.29	1.03	-	-
50-150mm	5	-	-	-	3.19b	2.47	1.95	1.56	1.27	1.04	0.84	-
	4	-	-	4.06b	3.02	2.31	1.83	1.48	1.21	0.99	0.82	0.67
75% SWL	3	-	-	3.63	2.68	2.08	1.66	1.35	1.11	0.93	0.77	0.64
	2	-	-	3.02	2.29	1.81	1.47	1.21	1.01	0.85	0.71	0.6
Locked	1	-	-	2.56	1.97	1.58	1.3	1.08	0.91	0.77	0.65	0.56
	0	-	3.32	2.32	1.77	1.42	1.17	0.98	0.83	0.71	0.61	0.52
	-1	5.8	3.26	2.23	1.68	1.34	1.09	0.92	0.78	0.67	0.58	0.51
	-2	-	3.3	2.24	1.67	1.31	1.07	0.9	0.77	0.66	0.59	-


NETWORK RAIL DUTIES

SECTOR E

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	2.92	2.39	1.97	-	-	-	-
	6	-	-	-	-	2.93	2.41	2.01	1.69	1.42	-	-
0-50mm	5	-	-	-	3.19b	2.87	2.36	1.98	1.68	1.43	1.22	-
	4	-	-	4.06b	3.41	2.75	2.27	1.91	1.62	1.4	1.2	1.04
67% SWL	3	-	-	4.03	3.16	2.57	2.13	1.81	1.55	1.34	1.16	1.02
	2	-	-	3.59	2.87	2.36	1.98	1.69	1.46	1.27	1.12	0.98
Unlocked	1	-	-	3.25	2.62	2.18	1.85	1.59	1.38	1.21	1.07	0.95
	0	-	4.06	3.08	2.47	2.05	1.74	1.51	1.31	1.16	1.03	0.92
	-1	5.97	4.02	3.01	2.4	1.99	1.69	1.46	1.27	1.13	1.01	0.91
	-2	-	4.05	3.02	2.39	1.97	1.67	1.44	1.26	1.12	1.01	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	3.05b	3.09b	3.14	-	-	-	-
	6	-	-	-	-	2.95b	2.97b	2.97b	2.72	2.29	-	-
0-50mm	5	-	-	-	3.19b	3.15b	3.10b	3.05b	2.7	2.29	1.95	-
	4	-	-	4.06b	3.82b	3.61b	3.45b	3.06	2.63	2.24	1.92	1.65
90% SWL	3	-	-	5.38b	4.74b	4.07	3.42	2.93	2.52	2.16	1.87	1.61
	2	-	-	5.67	4.58	3.8	3.23	2.78	2.39	2.06	1.79	1.56
Locked	1	-	-	5.24	4.26	3.57	3.05	2.63	2.27	1.97	1.72	1.51
	0	-	6.51	5.01	4.07	3.41	2.91	2.51	2.18	1.9	1.66	1.47
	-1	6.77a	6.46	4.93	3.98	3.32	2.84	2.44	2.12	1.85	1.63	1.45
	-2	-	6.5	4.94	3.96	3.3	2.82	2.42	2.1	1.85	1.65	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	2.2	1.82	1.51	-	-	-	-
	6	-	-	-	-	2.21	1.84	1.54	1.3	1.1	-	-
50-150mm	5	-	-	-	2.64	2.16	1.8	1.52	1.29	1.1	0.94	-
	4	-	-	3.12	2.5	2.05	1.72	1.46	1.25	1.07	0.92	0.79
67% SWL	3	-	-	2.82	2.29	1.9	1.6	1.37	1.18	1.02	0.89	0.77
	2	-	-	2.47	2.04	1.72	1.47	1.27	1.1	0.96	0.84	0.74
Unlocked	1	-	-	2.2	1.84	1.56	1.35	1.17	1.02	0.9	0.8	0.7
	0	-	2.56	2.06	1.71	1.46	1.26	1.1	0.97	0.85	0.76	0.68
	-1	3.4	2.53	2	1.65	1.4	1.21	1.05	0.93	0.83	0.74	0.67
	-2	-	2.55	2.01	1.64	1.39	1.19	1.04	0.92	0.82	0.75	-


	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	3.05b	2.88	2.37	-	-	-	-
	6	-	-	-	-	2.95b	2.91	2.41	2	1.65	-	-
50-150mm	5	-	-	-	3.19b	3.15b	2.85	2.37	1.98	1.65	1.37	-
	4	-	-	4.06b	3.82b	3.28	2.73	2.28	1.91	1.6	1.35	1.13
90% SWL	3	-	-	4.6	3.7	3.05	2.55	2.14	1.8	1.52	1.29	1.09
	2	-	-	4.09	3.35	2.8	2.35	1.98	1.68	1.43	1.22	1.04
Locked	1	-	-	3.7	3.05	2.56	2.16	1.83	1.56	1.34	1.15	0.99
	0	-	4.43	3.49	2.87	2.39	2.02	1.72	1.47	1.27	1.1	0.95
	-1	6.08	4.39	3.42	2.79	2.3	1.94	1.65	1.42	1.23	1.07	0.94
	-2	-	4.42	3.42	2.78	2.28	1.91	1.63	1.4	1.22	1.08	-


LUL RAIL DUTIES

SECTOR E

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	3.05b	2.67	2.21	-	-	-	-
	6	-	-	-	-	2.95b	2.69	2.25	1.89	1.59	-	-
0-50mm	5	-	-	-	3.19b	3.15b	2.65	2.21	1.88	1.6	1.37	-
	4	-	-	4.06b	3.82b	3.08	2.54	2.13	1.82	1.56	1.35	1.16
75% SWL	3	-	-	4.51	3.53	2.87	2.39	2.02	1.73	1.5	1.3	1.14
	2	-	-	4.02	3.21	2.64	2.22	1.89	1.64	1.42	1.25	1.1
Unlocked	1	-	-	3.64	2.93	2.44	2.07	1.78	1.54	1.35	1.19	1.06
	0	-	4.54	3.45	2.77	2.3	1.95	1.69	1.47	1.3	1.15	1.03
	-1	6.68	4.5	3.37	2.69	2.22	1.89	1.63	1.43	1.26	1.13	1.02
	-2	-	4.53	3.38	2.68	2.21	1.87	1.61	1.41	1.26	1.14	-

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Level Rail	7	-	-	-	-	3.05b	3.09b	2.62	-	-	-	-
	6	-	-	-	-	2.95b	2.97b	2.66	2.27	1.94	-	-
0-50mm	5	-	-	-	3.19b	3.15b	3.1	2.63	2.25	1.95	1.69	-
	4	-	-	4.06b	3.82b	3.59	3	2.55	2.2	1.91	1.67	1.46
75% SWL	3	-	-	5.19	4.13	3.39	2.85	2.44	2.11	1.85	1.62	1.43
	2	-	-	4.72	3.81	3.17	2.69	2.32	2.02	1.77	1.57	1.4
Locked	1	-	-	4.36	3.55	2.97	2.54	2.2	1.93	1.7	1.52	1.36
	0	-	5.43	4.18	3.39	2.84	2.43	2.11	1.86	1.65	1.47	1.33
	-1	6.77a	5.39	4.11	3.31	2.77	2.37	2.06	1.81	1.61	1.45	1.32
	-2	-	5.42	4.11	3.3	2.75	2.35	2.04	1.8	1.61	1.46	-

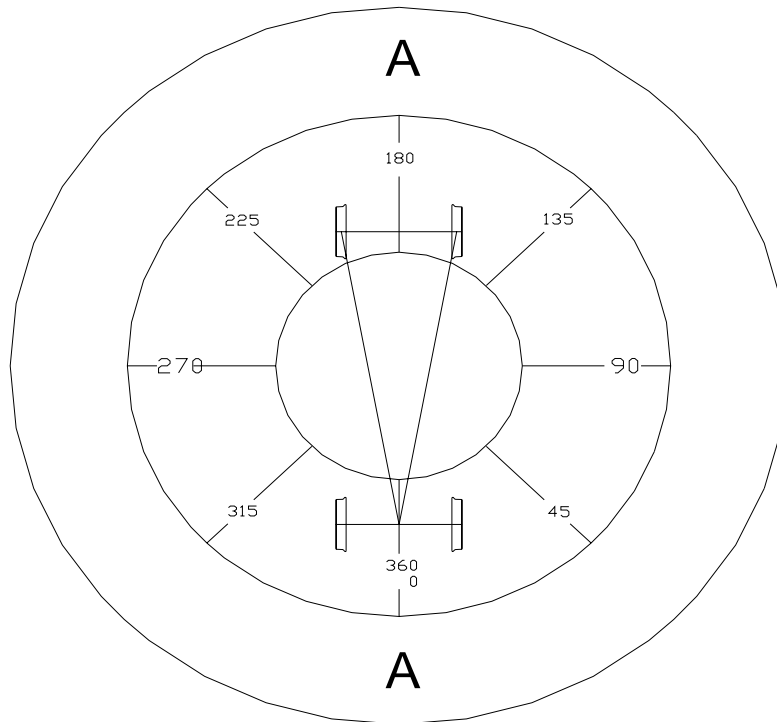
	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	2.47	2.04	1.7	-	-	-	-
	6	-	-	-	-	2.48	2.06	1.73	1.46	1.23	-	-
50-150mm	5	-	-	-	2.96	2.42	2.02	1.7	1.45	1.23	1.05	-
	4	-	-	3.5	2.8	2.3	1.92	1.63	1.39	1.2	1.03	0.89
75% SWL	3	-	-	3.16	2.56	2.12	1.79	1.53	1.32	1.14	0.99	0.86
	2	-	-	2.76	2.29	1.93	1.64	1.42	1.23	1.07	0.94	0.82
Unlocked	1	-	-	2.46	2.06	1.75	1.51	1.31	1.15	1.01	0.89	0.79
	0	-	2.87	2.3	1.92	1.63	1.41	1.23	1.08	0.96	0.85	0.76
	-1	3.81	2.83	2.24	1.85	1.57	1.35	1.18	1.04	0.93	0.83	0.75
	-2	-	2.86	2.25	1.84	1.55	1.33	1.17	1.03	0.92	0.84	-

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Canted Rail	7	-	-	-	-	2.91	2.4	2	-	-	-	-
	6	-	-	-	-	2.92	2.42	2.03	1.72	1.46	-	-
50-150mm	5	-	-	-	3.19b	2.86	2.38	2	1.71	1.46	1.26	-
	4	-	-	4.06b	3.34	2.73	2.28	1.93	1.65	1.43	1.24	1.07
75% SWL	3	-	-	3.84	3.08	2.54	2.14	1.83	1.58	1.37	1.19	1.04
	2	-	-	3.41	2.79	2.33	1.98	1.71	1.48	1.3	1.14	1.01
Locked	1	-	-	3.08	2.54	2.15	1.84	1.6	1.4	1.23	1.09	0.97
	0	-	3.69	2.91	2.39	2.02	1.74	1.51	1.33	1.18	1.05	0.94
	-1	5.07	3.65	2.85	2.32	1.95	1.68	1.46	1.29	1.14	1.03	0.93
	-2	-	3.68	2.85	2.31	1.94	1.66	1.45	1.28	1.14	1.03	-

REXQUOTE

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Fixed Axle



Oscillating Axle

MAX CANT + TWIST RAIL DUTIES

Machine Type:	_____	KOMATSU PC138
Rail Axle Number:	_____	1976
Serial Number:	_____	4692
Network Rail Number:	_____	99709 911019-6
Equipment:	_____	Boom 4.6m Arm 3.01m
Date:	_____	29 June 2010
Issue:	_____	2
Software Version:	_____	V2.09

This machine is equipped with a Rexquote Rated Capacity Indicator. This system is designed to comply with RAILWAY SAFETY STANDARD RIS-1530-PLT Issue 1


Radius / Height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the lifting point with no other equipment attached.


Loads marked 'b' boom and 'a' arm are limited by hydraulic capacity.

All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 28mm.


NETWORK RAIL DUTIES


SECTOR A

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Max Cant + Twist 150-178mm	7	-	-	-	-	1.44	1.15	0.92	-	-	-	-
	6	-	-	-	-	1.45	1.17	0.95	0.76	0.61	-	-
	5	-	-	-	1.76	1.4	1.13	0.92	0.75	0.61	0.43	-
	4	-	-	2.07	1.61	1.29	1.05	0.86	0.71	0.57	0.4	0.26
67% SWL	3	-	-	1.76	1.4	1.13	0.93	0.77	0.64	0.49	0.35	0.23
	2	-	-	1.41	1.16	0.96	0.8	0.67	0.54	0.4	0.28	0.18
Unlocked	1	-	-	1.14	0.95	0.8	0.68	0.56	0.42	0.31	0.21	0.13
	0	-	1.25	1	0.82	0.69	0.58	0.45	0.34	0.24	0.16	0.09
	-1	1.69	1.22	0.95	0.77	0.64	0.5	0.38	0.28	0.2	0.13	0.08
	-2	-	1.24	0.95	0.76	0.62	0.48	0.36	0.27	0.2	0.14	-

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Max Cant + Twist 150-178mm	7	-	-	-	-	2.93	2.23	1.68	-	-	-	-
	6	-	-	-	-	2.95	2.26	1.74	1.33	1	-	-
	5	-	-	-	3.19 ^b	2.85	2.19	1.69	1.31	1.01	0.75	-
	4	-	-	4.06 ^b	3.48	2.66	2.03	1.58	1.23	0.95	0.73	0.53
90% SWL	3	-	-	4.18	3.08	2.34	1.81	1.41	1.1	0.86	0.66	0.49
	2	-	-	3.45	2.6	1.99	1.55	1.22	0.96	0.75	0.58	0.44
Locked	1	-	-	2.89	2.17	1.68	1.32	1.05	0.83	0.65	0.5	0.38
	0	-	3.72	2.59	1.91	1.47	1.15	0.91	0.72	0.57	0.44	0.34
	-1	6.52	3.65	2.48	1.79	1.35	1.05	0.83	0.66	0.52	0.41	0.32
	-2	-	3.7	2.48	1.77	1.33	1.02	0.81	0.64	0.51	0.42	-

LUL RAIL DUTIES

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Max Cant + Twist 150-178mm	7	-	-	-	-	1.61	1.29	1.03	-	-	-	-
	6	-	-	-	-	1.62	1.31	1.06	0.86	0.68	-	-
	5	-	-	-	1.97	1.57	1.27	1.03	0.84	0.68	0.55	-
	4	-	-	2.31	1.81	1.45	1.17	0.96	0.79	0.65	0.53	0.42
75% SWL	3	-	-	1.97	1.57	1.27	1.04	0.86	0.71	0.59	0.49	0.39
	2	-	-	1.58	1.29	1.07	0.89	0.75	0.63	0.52	0.44	0.36
Unlocked	1	-	-	1.27	1.06	0.9	0.76	0.64	0.54	0.46	0.39	0.32
	0	-	1.4	1.12	0.92	0.78	0.66	0.56	0.48	0.41	0.35	0.29
	-1	1.89	1.37	1.06	0.86	0.71	0.6	0.51	0.44	0.38	0.32	0.28
	-2	-	1.39	1.06	0.85	0.7	0.58	0.5	0.43	0.37	0.33	-

	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5
Max Cant + Twist 150-178mm	7	-	-	-	-	2.44	1.9	1.49	-	-	-	-
	6	-	-	-	-	2.46	1.92	1.53	1.23	0.98	-	-
	5	-	-	-	3.13	2.38	1.87	1.49	1.21	0.98	0.79	-
	4	-	-	4	2.9	2.22	1.75	1.41	1.15	0.94	0.77	0.62
75% SWL	3	-	-	3.48	2.56	1.98	1.58	1.28	1.05	0.87	0.72	0.59
	2	-	-	2.87	2.18	1.72	1.39	1.14	0.95	0.79	0.66	0.55
Locked	1	-	-	2.41	1.86	1.48	1.22	1.01	0.85	0.71	0.6	0.51
	0	-	3.1	2.17	1.66	1.32	1.09	0.91	0.77	0.65	0.56	0.48
	-1	5.43	3.04	2.08	1.57	1.24	1.01	0.85	0.72	0.61	0.53	0.47
	-2	-	3.09	2.09	1.55	1.22	0.99	0.83	0.7	0.61	0.54	-