



Qube Logistics: Annual Rolling Stock Performance Report

February 2023

In accordance with Condition R4.2 of its Environment Protection Licence, Qube Logistics (Rail) is pleased to provide the following Annual Rolling Stock Performance Report:

1. Locomotive Overhauls

R4.2 a) During 2022, one QBX class locomotives underwent a like-for-like engine replacement.

One additional QBX class underwent a like-for-like engine replacement in November 2021 and was not reported in last year's performance report.

R4.2 a) i) the locomotives were units QBX 003 and QBX 005.

R4.2 a) ii) the locomotives underwent like-for-like engine replacement with MTU 20CYL - V4000R43L engines fitted.

R4.2 a) iii) the engine replacements undertaken were:

QBX 003 – completed in April 2022

QBX 005 – completed in November 2021¹

No Major Engine Overhauls were carried out on other locomotives which are not Legacy Class Locomotives.

R4.2 b) the results of the noise testing under M5.3 a)

QBX 003 was noise tested in December 2022 and did not meet all prescribed requirements. Modifications are being scoped prior to retesting by June 2023.

QBX 005 is yet to be noise tested and will be tested by June 2023.

2. Angle of Attack

R4.2 c) During 2022, the following exceedances were recorded by Transport for NSW for priority wagon classes on Qube operated trains:

Date and Time	Priority wagon class	Wagon ID	Angle of Attack measured (mrad)	Site of measurement
4/02/2022 13:38	RQTY	RQTY 000011	-15.1	Beecroft Up
16/03/2022 13:32	RQTY	RQTY 000011	-16.6	Beecroft Up
25/03/2022 13:17	RQTY	RQTY 000011	-24.6	Beecroft Up
25/03/2022 13:17	RQTY	RQTY 000011	-20	Beecroft Up
7/06/2022 14:16	RQTY	RQTY 000011	-29.5	Beecroft Up

¹ The engine replacement for QBX 005 was overlooked in the 2021 report

7/06/2022 14:16	RQTY	RQTY 000011	-25.2	Beecroft Up
3/03/2022 13:32	CQGY	CQGY 000502	-23.5	Beecroft Up
3/03/2022 13:32	CQGY	CQGY 000502	-18.1	Beecroft Up
19/03/2022 4:46	CQGY	CQGY 000502	-25.8	Beecroft Up
19/03/2022 4:46	CQGY	CQGY 000502	22.9	Beecroft Up
19/03/2022 4:46	CQGY	CQGY 000502	29.2	Beecroft Up
22/03/2022 5:47	CQGY	CQGY 000502	-15.1	Beecroft Up
9/04/2022 14:28	CQGY	CQGY 000502	-16.1	Beecroft Up
21/04/2022 13:31	CQGY	CQGY 000502	-18.7	Beecroft Up
28/04/2022 10:16	CQGY	CQGY 000502	-19.7	Beecroft Up
28/04/2022 10:16	CQGY	CQGY 000502	23.8	Beecroft Up
28/04/2022 10:16	CQGY	CQGY 000502	27	Beecroft Up
19/05/2022 9:19	CQGY	CQGY 000502	-18.2	Beecroft Up
31/05/2022 12:16	CQGY	CQGY 000502	-23.3	Beecroft Up
31/05/2022 12:16	CQGY	CQGY 000502	-17	Beecroft Up
18/06/2022 10:09	CQGY	CQGY 000502	-25.2	Beecroft Up
18/06/2022 10:09	CQGY	CQGY 000502	-18.3	Beecroft Up
23/06/2022 10:45	CQGY	CQGY 000502	-22	Beecroft Up
30/06/2022 6:17	CQGY	CQGY 000502	-21.8	Beecroft Up
17/01/2022 2:32	CQGY	CQGY 000520	-26.1	Beecroft Up
17/01/2022 2:32	CQGY	CQGY 000520	-19.4	Beecroft Up
28/07/2022 13:06	CQPY	CQPY 001711	-16.8	Beecroft Up
4/08/2022 10:36	CQPY	CQPY 001711	-15.9	Beecroft Up
18/08/2022 10:17	CQPY	CQPY 001711	-16	Beecroft Up
23/08/2022 5:02	CQPY	CQPY 001711	-16.9	Beecroft Up
1/11/2022 21:46	CQPY	CQPY 001711	-16.9	Beecroft Up
23/08/2022 5:02	CQPY	CQPY 001712	-15.4	Beecroft Up
12/11/2022 5:13	CQPY	CQPY 001712	-15.5	Beecroft Up
25/01/2022 8:53	CQPY	CQPY 001715	-15.6	Beecroft Up
3/02/2022 9:56	CQPY	CQPY 001715	-16.9	Beecroft Up
5/02/2022 14:39	CQPY	CQPY 001715	-15.7	Beecroft Up
19/02/2022 14:38	CQPY	CQPY 001715	-16.6	Beecroft Up
22/03/2022 5:47	CQPY	CQPY 001715	-17	Beecroft Up
29/03/2022 9:16	CQPY	CQPY 001715	-17.9	Beecroft Up
29/03/2022 9:16	CQPY	CQPY 001715	15.5	Beecroft Up
29/03/2022 9:16	CQPY	CQPY 001715	20.7	Beecroft Up
31/03/2022 12:37	CQPY	CQPY 001715	-15.8	Beecroft Up
12/04/2022 4:19	CQPY	CQPY 001715	-16.9	Beecroft Up
24/05/2022 6:09	CQPY	CQPY 001715	-15.4	Beecroft Up
16/06/2022 14:23	CQPY	CQPY 001715	-18.5	Beecroft Up
21/06/2022 9:29	CQPY	CQPY 001715	-17.9	Beecroft Up
23/06/2022 10:45	CQPY	CQPY 001715	-15.8	Beecroft Up
30/06/2022 6:17	CQPY	CQPY 001715	-15.2	Beecroft Up
27/10/2022 9:39	CQPY	CQPY 001718	-16.7	Beecroft Up
5/11/2022 4:30	CQPY	CQPY 001718	-15.5	Beecroft Up
12/11/2022 5:13	CQPY	CQPY 001718	-16.9	Beecroft Up
26/07/2022 10:56	CQPY	CQPY 001728	-19	Beecroft Up
28/07/2022 13:06	CQPY	CQPY 001728	-16.4	Beecroft Up
4/08/2022 10:36	CQPY	CQPY 001728	-18.9	Beecroft Up
9/08/2022 4:33	CQPY	CQPY 001728	-17.8	Beecroft Up
18/08/2022 10:17	CQPY	CQPY 001728	-18.8	Beecroft Up
23/08/2022 5:02	CQPY	CQPY 001728	-19	Beecroft Up
27/09/2022 10:35	CQPY	CQPY 001728	-19.3	Beecroft Up
4/10/2022 11:05	CQPY	CQPY 001728	-15.2	Beecroft Up

1/11/2022 21:46	CQPY	CQPY 001728	-17.4	Beecroft Up
30/06/2022 6:17	CQPY	CQPY 001733	-16.1	Beecroft Up
19/07/2022 9:30	CQPY	CQPY 001733	-17.7	Beecroft Up
2/08/2022 5:18	CQPY	CQPY 001733	-16.5	Beecroft Up
6/08/2022 13:11	CQPY	CQPY 001733	-15.4	Beecroft Up
11/08/2022 5:17	CQPY	CQPY 001733	-16.3	Beecroft Up
20/08/2022 7:57	CQPY	CQPY 001733	-17.1	Beecroft Up
3/09/2022 13:15	CQPY	CQPY 001733	-20	Beecroft Up
8/09/2022 4:50	CQPY	CQPY 001733	-16.3	Beecroft Up
17/09/2022 5:44	CQPY	CQPY 001733	-21.8	Beecroft Up
17/09/2022 5:44	CQPY	CQPY 001733	-16.7	Beecroft Up
27/10/2022 9:39	CQPY	CQPY 001733	-23.6	Beecroft Up
27/10/2022 9:39	CQPY	CQPY 001733	-17.4	Beecroft Up
5/11/2022 4:30	CQPY	CQPY 001733	-17.7	Beecroft Up
12/11/2022 5:13	CQPY	CQPY 001733	-20.9	Beecroft Up
12/11/2022 5:13	CQPY	CQPY 001733	-16.2	Beecroft Up
3/12/2022 9:44	CQPY	CQPY 001733	-16.3	Beecroft Up
25/01/2022 8:53	CQPY	CQPY 001735	-16.6	Beecroft Up
1/02/2022 8:54	CQPY	CQPY 001735	-15.5	Beecroft Up
5/02/2022 14:39	CQPY	CQPY 001735	-16.8	Beecroft Up
15/02/2022 4:38	CQPY	CQPY 001735	-16.3	Beecroft Up
27/02/2022 3:29	CQPY	CQPY 001735	-15.3	Beecroft Up
3/03/2022 13:32	CQPY	CQPY 001735	-16.5	Beecroft Up
19/03/2022 4:46	CQPY	CQPY 001735	-18	Beecroft Up
14/05/2022 8:39	CQPY	CQPY 001735	-16.3	Beecroft Up
17/05/2022 5:45	CQPY	CQPY 001735	-15.6	Beecroft Up
24/05/2022 6:09	CQPY	CQPY 001735	-16.9	Beecroft Up
31/05/2022 12:16	CQPY	CQPY 001735	-16.1	Beecroft Up
9/06/2022 18:18	CQPY	CQPY 001735	-16.7	Beecroft Up
16/06/2022 14:23	CQPY	CQPY 001735	-16.2	Beecroft Up
21/06/2022 9:29	CQPY	CQPY 001735	-18	Beecroft Up
25/06/2022 8:40	CQPY	CQPY 001735	-16.8	Beecroft Up
25/01/2022 8:53	CQPY	CQPY 001736	-15.2	Beecroft Up
5/02/2022 14:39	CQPY	CQPY 001736	-16.6	Beecroft Up
15/07/2022 13:46	CQYY	CQYY 003220	-15.7	Beecroft Up
15/07/2022 13:46	CQYY	CQYY 003241	-15.4	Beecroft Up
14/07/2022 13:15	CQYY	CQYY 003244	-16.4	Beecroft Up
14/07/2022 13:15	CQYY	CQYY 003294	-16.4	Beecroft Up
15/07/2022 13:46	CQYY	CQYY 003294	-15.7	Beecroft Up

Qube has not yet undertaken modification work on RQTY 000011.

Rail First Asset Management (the wagon owner) has advised Qube that wagon CQPY 001736 was modified subsequent to the recorded exceedance above (date not advised).

The CQGY, CQYY and remaining CQPY wagons are all leased from Rail First Asset Management and are yet to be overhauled.

All priority class wagons are scheduled to be modified consistent with the requirements of licence Condition U5.1.