# DIESEL LOCOMOTIVE SAFETY AIR BRAKE TEST LVR F 040



Locomotive Number	Date	
Kilometres	Location	

ITEM	DESCRIPTION	SPECIFICATION	RESULT	
1	INITIAL PRESSURES	MR: 750 to 850 kPa (typ)	MRkPa	PASS / FAIL
		BP: 500 – 510 kPa	BP kPa	PASS / FAIL
		ER: 500 – 510 kPa	ERkPa	PASS / FAIL
		BC: 340 - 365 kPa 300 - 350 kPa (26L, C class)	BCkPa	PASS / FAIL
		BC light ON	BC light	ON / OFF
2	NO 3 PIPE LEAKAGE	7 kPa / min maximum	Rate kPa / min	PASS / FAIL
3	NO 4 PIPE LEAKAGE	Audible blow of air		PASS / FAIL
4	MINIMUM REDUCTION	BP: drops 50 kPa (nom)	BP kPa	PASS / FAIL
		ER: drops 50 kPa (nom)	ER kPa	PASS / FAIL
		BC: 40 - 100 kPa	BCkPa	PASS / FAIL
		BC light ON	BC light	ON / OFF
5	INDEPENDENT RELEASE	BP: no change	BP kPa	PASS / FAIL
	-	ER: no change	ER kPa	PASS / FAIL
		BC: reduces to 0 kPa	BCkPa	PASS / FAIL
		BC light OFF	BC light	ON / OFF
		Brake re-applies		PASS / FAIL
6	FULL SERVICE	BP: 325 – 340 kPa	BP kPa	PASS / FAIL
		ER: 325 – 340 kPa	ER kPa	PASS / FAIL
		BC: 390 – 425 kPa (26L) 340 – 365 kPa (30A-CDW)(EL class) 200 – 220 kPa (WL)(GL class) 210 - 290 kPa (26L, C class)	BCkPa	PASS / FAIL
		BC light ON	BC light	ON / OFF

7	BRAKE PIPE LEAKAGE	20 kPa / min maximum (No build-up allowed)	Rate	_kPa / min	PASS / FAIL
8	HANDLE OFF	BP: 70 kPa or less	BP	_ kPa	PASS / FAIL

Version No: 11.1 Approved By: Directors Version Date: 25/09/2023

Custodian: Safety Manager Review Date: 25/09/2026

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			1		
		ER: 0 kPa	ER	kPa	PASS / FAIL
10	EMERGENCY	BP: Quickly to zero	BP	kPa	PASS / FAIL
		ER: 0 kPa	ER	kPa	PASS / FAIL
		BC: 390 – 425 kPa (26L)			
		390 – 440 kPa (30A-CDW)(EL cl)			
		200 – 240 kPa (WL) (GL class)	BC	kPa	PASS / FAIL
		210 - 290 kPa (26 L, C class)		KI U	TAGOTTAIL
		BC light ON	BC light		ON / OFF
11	FLOWMETER OPERATION	Operates visually & audibly			PASS / FAIL
12	EMERGENCY COCK	Sporates visually a addisty			17(00717(12
12	EMERGENC 1 COCK	BP: Drops rapidly			PASS / FAIL
		BC: Builds up			PASS / FAIL
13	BRAKE PIPE MAINTAINING	BP remains constant against reasonable leakage			PASS / FAIL
14	VIGILANCE	Visual warning operates			PASS / FAIL
	CONTROL	Audible warning operates			PASS / FAIL
		Penalty brake applies			PASS / FAIL
		BP to less than 300 kPa	BP	kPa	PASS / FAIL
15	POWER KNOCKOUT SWITCH	Engine speed increases			PASS / FAIL
		Engine returns to idle			PASS / FAIL
		Engine speed increases			PASS / FAIL
16	DYNAMIC BRAKE INTERLOCK	BC to zero – engine revs			PASS / FAIL
	WILKESOK	BC re-applies – engine to idle			PASS / FAIL
		Engine speeds up			PASS / FAIL
17	BRAKE CYLINDER	All BC travels correct			PASS / FAIL
	TRAVEL AND BRAKE BLOCK CONDITION	All brake blocks thickness and condition OK			PASS / FAIL
18	HANDBRAKE	Operates correctly			PASS / FAIL

#### **SECOND BRAKE STAND**

### APPLICABLE YES / NO

ITEM	DESCRIPTION	SPECIFICATION	RESULT		
1	INITIAL PRESSURES	MR: 750 to 850 kPa (typ)	MR	_ kPa	PASS / FAIL

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kPa

ER

PASS / FAIL

		BP: 500 – 510 kPa	BPkPa	PASS / FAIL
		ER: 500 – 510 kPa	ERkPa	PASS / FAIL
		BC: 340 - 365 kPa 300 - 350 kPa (26L, C class)	BCkPa	PASS / FAIL
		BC light ON	BC light	ON/OFF
2	NO 3 PIPE LEAKAGE	7 kPa / min maximum	RatekPa /	min PASS/FAIL
3	NO 4 PIPE LEAKAGE	Audible blow of air		PASS / FAIL
4	MINIMUM REDUCTION	BP: drops 50 kPa (nom)	BPkPa	PASS / FAIL
	KEBOOTION	ER: drops 50 kPa (nom)	ERkPa	PASS / FAIL
		BC: 40 - 100 kPa	BCkPa	PASS / FAIL
		BC light ON	BC light	ON/OFF
5	INDEPENDENT RELEASE	BP: no change	BPkPa	PASS / FAIL
	11227.02	ER: no change	ERkPa	PASS / FAIL
		BC: reduces to 0 kPa	BCkPa	PASS / FAIL
		BC light OFF	BC light	ON/OFF
		Brake re-applies		PASS / FAIL
6	FULL SERVICE	BP: 325 – 340 kPa	BPkPa	PASS / FAIL
		ER: 325 – 340 kPa	ERkPa	PASS / FAIL
		BC: 390 – 425 kPa (26L) 350 kPa (30A-CDW)(EL class) 200 – 220 kPa (WL)(GL class) 210 - 290 kPa (26L, C class)	BCkPa	PASS / FAIL
		BC light ON	BC light	ON/OFF
7	BRAKE PIPE LEAKAGE	20 kPa / min maximum (No build-up allowed)	RatekPa / n	nin PASS/FAIL
8	HANDLE OFF	BP: 70 kPa or less	BP kPa	PASS / FAIL
		ER: 0 kPa	ERkPa	PASS / FAIL
10	EMERGENCY	BP: Quickly to zero	BPkPa	PASS / FAIL

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0 kPa

ER:

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		BC: 390 – 425 kPa (26L) 390 – 440 kPa (30A-CDW)(EL cl)			
		200 – 240 kPa (WL) (GL class) 210 - 290 kPa (26 L. C class)	BC	kPa	PASS / FAIL
		BC light ON	BC light		ON / OFF
11	FLOWMETER OPERATION	Operates visually & audibly			PASS / FAIL
12	EMERGENCY COCK	BP: Drops rapidly			PASS / FAIL
		BC: Builds up			PASS / FAIL
13	BRAKE PIPE MAINTAINING	BP remains constant against reasonable leakage			PASS / FAIL
14	VIGILANCE CONTROL	Visual warning operates			PASS / FAIL
	00	Audible warning operates			PASS / FAIL
		Penalty brake applies			PASS / FAIL
		BP to less than 300 kPa	BP	kPa	PASS / FAIL
15	POWER KNOCKOUT SWITCH	Engine speed increases			PASS / FAIL
		Engine returns to idle			PASS / FAIL
		Engine speed increases			PASS / FAIL
16	DYNAMIC BRAKE INTERLOCK	BC to zero – engine revs			PASS / FAIL
		BC re-applies – engine to idle			PASS / FAIL
		Engine speeds up			PASS / FAIL
17	BRAKE CYLINDER TRAVEL AND BRAKE	All BC travels correct			PASS / FAIL
	BLOCK CONDITION	All brake blocks thickness and condition OK			PASS / FAIL
18	HANDBRAKE	Operates correctly			PASS / FAIL

BRAKE TEST SIGN OFF – EXAMINATION COMPLETE				
NAME	SIGNATURE	DATE		

Version No:11.1Approved By:DirectorsVersion Date:25/09/2023Custodian:Safety ManagerReview Date:25/09/2026