

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) | MR _____ kPa PASS / FAIL |
| | | BP: 500 – 510 kPa | BP _____ kPa PASS / FAIL |
| | | ER: 500 – 510 kPa | ER _____ kPa PASS / FAIL |
| | | BC: 340 - 365 kPa 300 - 350 kPa (26L, C class) | BC _____ kPa 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 | BC _____ kPa 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 | BC _____ kPa 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) | BC _____ kPa 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 |

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| | | | | |
|----|---|---|--------------|-------------|
| | | 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) 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 |
| | | 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 BLOCK CONDITION | All BC travels correct | | PASS / FAIL |
| | | 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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| | | ER: 500 – 510 kPa | ER _____ kPa | PASS / FAIL |
| | | BC: 340 - 365 kPa 300 - 350 kPa (26L, C class) | BC _____ kPa | 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 | BC _____ kPa | 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 | BC _____ kPa | 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) 350 kPa (30A-CDW)(EL class) 200 – 220 kPa (WL)(GL class) 210 - 290 kPa (26L, C class) | BC _____ kPa | PASS / FAIL |
| | | BC light ON | BC light | ON / OFF |
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|----|------------|---------------------|--------------|-------------|
| 8 | HANDLE OFF | BP: 70 kPa or less | BP _____ kPa | PASS / FAIL |
| | | ER: 0 kPa | ER _____ kPa | PASS / FAIL |
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| 18 | HANDBRAKE | Operates correctly | | PASS / FAIL |

| BRAKE TEST SIGN OFF – EXAMINATION COMPLETE | | |
|--|-----------|------|
| NAME | SIGNATURE | DATE |
| | | |