HUNSLET

# THE HUNSLET ENGINE CO. LTD. LEEDS LS10 1BT ENGLAND

# 154 H.P. "HUNSLET" DIESEL LOCOMOTIVE

| SPECIFICATION | METRIC | BRITISH |
|---|---|---|
| Gauge (Can be modified to suit requirements) | 600 mm | 60 cms |
| Diameter of Coupled Wheels | 660 mm | 2 ft. 2 ins. |
| Wheelbase | 2520 mm | 8 ft. 3 ins. |
| Height Overall | 3190 mm | 10 ft. 5 ins. |
| Width Overall | 1800 mm | 6 ft. 0 ins. |
| Length Over Buffer Beams | 5670 mm | 18 ft. 7 ins. |
| Maximum Power and Speed of Engine | 115 k.w. at 1800 r.p.m. | 154 h.p. at 1800 r.p.m. |
| Maximum Working Speed: 1st Gear | 8.5 k.m./hr | 5.3 m.p.h. |
| 2nd Gear | 15 k.m./hr | 9.3 m.p.h. |
| 3rd Gear | 25 k.m./hr | 15.6 m.p.h. |
| 4th Gear | 34.5 k,m./hr | 21.4 m.p.h. |
| Weight in Working Order | 17.5 tonnes | 17 tons 5 cwts |
| Maximum Axle Load | 4.572 tonnes | 4½ tons |
| Minimum Recommended Radius of Curve | 46 m | 150 ft |
| Minimum Recommended Weight of Rail | 12.7 kg | 28 lbs/yd |
| Fuel Capacity | 545 litres | 120 gallons |
| Tractive Effort: 1st Gear | 4196 kgs | 9250 lbs |
| 2nd Gear | 2404 kgs | 5300 lbs |
| 3rd Gear | 1429 kgs | 3150 lbs |
| 4th Gear | 1043 kgs | 2300 lbs |

| PERFORMANCE | PLAIN BEARING STOCK | | | ROLLER BEARING STOCK | | |
|---|---|---|---|---|---|---|
| Typical Haulage Capacity (Long Tons) | Level | 1% | 2% | Level | 1% | 2% |
| Load Locomotive will start and haul in 1st Gear | 496 | 210 | 130 | 750 | 250 | 146 |
| Load Locomotive will haul in 2nd Gear | 425 | 137 | 76 | 645 | 157 | 83 |
| 3rd Gear | 245 | 74 | 38 | 375 | 86 | 42 |
| 4th Gear | 175 | 50 | 23 | 270 | 58 | 26 |
| Based on:- Starting Resistance % | 8.2 Kgs (18 lbs) Per Ton | | | 5.5 Kgs (12 lbs) Per Ton | | |
| Running Resistance % | 5.5 Kgs (12 lbs) Per Ton | | | 3.6 Kgs ( 8 lbs) Per Ton | | |

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