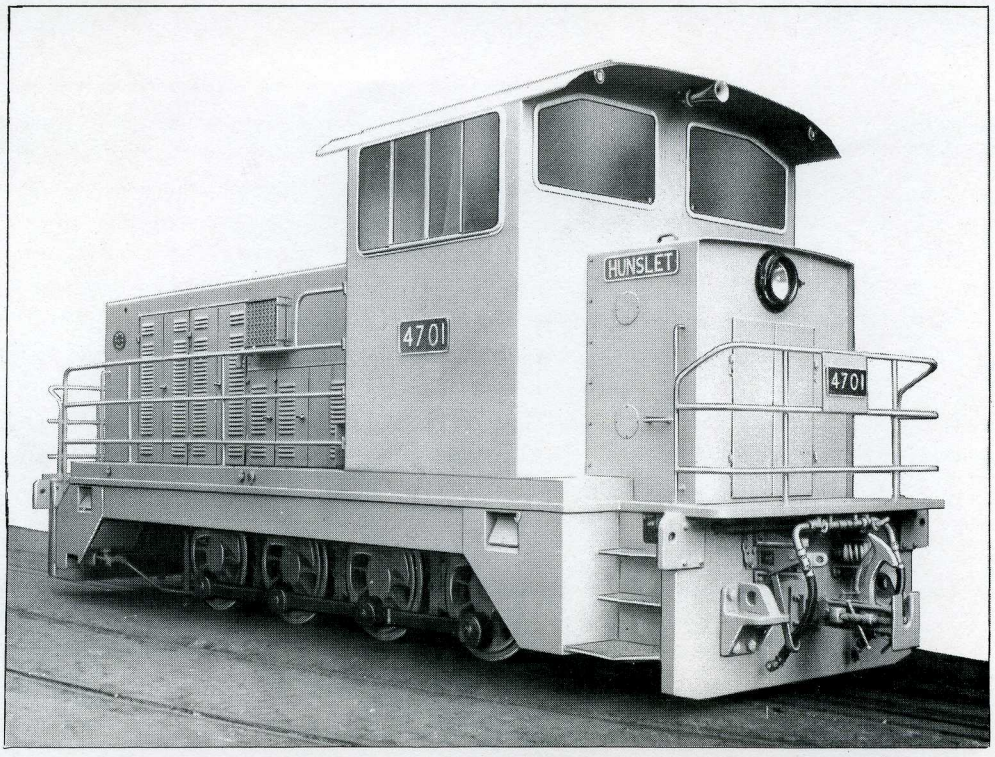
THE HUNSLET ENGINE CO. LTD. LEEDS LS10 1BT ENGLAND



525 H.P. "HUNSLET" DIESEL HYDRAULIC LOCOMOTIVE

SPECIFICATION	METRIC	BRITISH
Gauge (Can be modified to suit requirements)	1 metre	3 ft. 3.3/8 in.
Width Overall	2800 mm	9 ft. 2 in.
Wheel Diameter . .	1004 mm	3 ft. 3 in.
Wheel Base . .	3750 mm	12 ft. 4 in.
Height Overall . .	3945 mm	12 ft. 9 in.
Length (over couplers) . .	9694 mm	31 ft. 10 in.
Fuel Capacity . .	1300 litres	286 gallons
Weight . .	53 tonnes	52.16 tons
Maximum Speed . .	28 k.p.h.	17.5 m.p.h.
Minimum Radius of Curve . .	88 metres	290 ft.
Maximum Power and Speed of Engine .	525 h.p. at 1800 r.p.m.	525 h.p. at 1800 r.p.m.
Maximum Axle Load . .	13.5 tonnes	13.2 tons
Minimum Recommended Weight of Rail .	22.7 kgs/metres	50 lbs per yard
Tractive Effort at:		
3.3:1 Adhesion .	15,880 kgs	35,000 lbs
5 m.p.h. (8 k.p.h.) .	10,650 kgs	23,470 lbs
12 m.p.h. (19.3 k.p.h.) .	5,250 kgs	11,570 lbs
17 m.p.h. (28 k.p.h.) .	3,200 kgs	7,050 lbs

PERFORMANCE			
Typical Haulage Capacity (Long Tons)	Level	1 in 100	1 in 50
Load Locomotive will start .	1892	814	505
Load Locomotive will haul at 5 m.p.h. .	1892	630	361
12 m.p.h. .	912	284	151
17 m.p.h. .	535	152	72
Based on:- Starting Resistance .	8.2 kgs (18 lbs) Per Ton		
Running Resistance .	5.5 kgs (12 lbs) Per Ton		

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ORDER 9001