



Engine Acceptance Test Report

MAN Job No.

5 039 249

Model

D 2862 LE 463

Serial No.

710 3527 809 3520

Certificate Number

2013/XG/0028 - 6

Date

14.05.2013

Contract Data

Test place height above sea level: 315 m

☒ Test on water brake

Fuel :

Diesel

Fuel density at 34 °C in kg/m³

814

Low heat value in MJ/kg

43,0

Speed in rpm

2100

Oil cooler

☒ yes☐ no

Pumped water circulation

☒ yes☐ no

Output at

45 °C

1013 mbar

1029 kW

Exhaust manifold

☒ water-cooled

Normal Operating Temperature in °C

Cooling water inlet

75 - 90

Lube oil

85 - 110

Test Performance

Time min.	Load %	Output			Fuel measurement				Temperature			Pressure		Smoke rating SZ
		Speed rpm	Force N	Power kW	gram	Time s	be g/kWh	Qe mm ³ / stroke	Water °C	Oil °C	Exhaust °C	Oil bar	Charge Air mbar	
10	25	1323	1943	257,1	902,6	60,0	210,7	137,5	83	88	322	4,6	480	0,4
10	50	1659	3101	514,5	906,1	30,4	208,6	217,3	84	94	335	6,0	1440	0,4
10	75	1911	4038	771,7	907,2	20,2	209,5	284,2	85	99	405	6,8	1890	0,3
10	90	2037	4546	926	904,4	17,1	205,6	314,0	85	101	447	7,2	1950	0,3
30	100	2100	4900	1029	908,0	15,6	203,6	335,2	86	104	474	7,2	1990	0,3
30	100	2100	4900	1029	907,2	15,6	203,5	334,9	86	104	475	7,2	2000	0,3
45	110	2169	5219	1132	906,7	14,0	206,0	361,1	86	108	532	7,3	2070	0,5

Governor-
testFull load
rpm

2100

Top idling
rpm

2315

Bottom idling
rpm

600

P-Grad
%

10,2

Barometric pressure
mbar

977

Air humidity
%

33

Air temperature
°C

24

Remarks:

Classification Society / Customer

RINA	Witnessed ☐ Reviewed ☒
Date 06/06/13	D. Chirulli Surveyor

MAN Inspection Department

MAN Truck & Bus AG
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