

# Diesel engine test report



Engine serial  
number  
Workorder number  
Project number

9PW00535
SC009347

Date test start	: Wednesday, July 31, 2024		
Date test end	: Wednesday, July 31, 2024		
<b>Customer data</b>			
Customer	: Diesel Power Holland	Zipcode	:
Address	: Oostelijke Randweg 18	Telephone number	:
Place	: Moerdijk	Contact person	: Erik van der Giessen
<b>Engine data</b>			
Type	: 3412E	O.T. number	: 0K2876
Arrangement number	: 1833882	SMU	: 13816
Application	: Marine	TURBO NR.	: 7C2731
Advertised Speed / Power	: 473,5 kW @ 1800 Rpm	INJECTOR NR.	: 1747526
<b>Attachments</b>			
Governor make	: CAT	Type: Adem2	Serial number : N/a
Ign. system	: N/a	Serial number	: N/a
Generator	: N/a	Serial number	: N/a
ECM SOFTWARE.	: 2696930-00	ECM NR.	: 3313L076KS
<b>Adjustments</b>			
Power kW	: 473,5	RPM	: 1800
910 low idle speed RPM	: 700	FLS	: 80
910 high idle speed RPM	: 1890	FTS	: -109
Full load	: 100%	Generator power ekW	: N/a
<b>Consumption fuel/gas/oil</b>			
		Gas by	: bar
Fuel Test end	: 350 liters		: m <sup>3</sup>
Fuel Test start	: 0 liters		: m <sup>3</sup>
Consumption	: liters		: m <sup>3</sup>
Lub. oil	: 128 liters		: 15W40 SAE



General data										
	1	2	3	4	5	6	7	8	9	10
Time (start / stop) min		30	30	30	60					
Remarks during test procedure										
Engine rpm	Start	1133	1430	1636	1800	Stop				
Load %		25	50	75	100					
Shaft kW		118	237	355	442					
Torque Nm		990	1585	2070	2340					
JW Cooling system										
922 JW inlet temp °C <small>(from cooling system)</small>		56	36	40	41					
901 JW outlet temp °C <small>(before regulator)</small>		87	88	88	90					
902 JW pump outlet °C		84	84	84	85					
903 A/C inlet water temp °C		84	84	84	85					
903A A/C outlet water temp °C		78	82	86	89					
Lubrication oil system										
913 Lube oil eng. Inlet temp °C		90	93	96	98					
Delta T cooler		3	5	5	5					
914 Lube oil press. kPa		376	376	370	360					
Crankcase pressure kPa		0,1	0,1	0,3	0,4					
Inlet system										
906 Inlet Manifold temp. °C <small>Before aftercooler</small>		51	80	113	138					
906 Inlet Manifold temp. R °C <small>After aftercooler</small>		84	85	89	92					
930 Air@Air cleaner temp. °C		26	27	29	30					
Air inlet pres. L kPa		12	42	80	108					
Ambient temperature:		25 °C								
Fuel system										
	1	2	3	4	5	6	7	8	9	10
917 Fuel pressure kPa		449	446	430	430					
201 Fuel inlet line °C		25	26	25	25					
202 Fuel outlet return °C		43	44	45	42					
Fuel consumption L/H		36	67	97	115					
Exhaust Data										
	1	2	3	4	5	6	7	8	9	10
Stack Temperature °C		273	348	377	377					
Manifold Temperature L °C										
Manifold Temperature R °C										



**Remarks / Exceptions**

Remarks: The oil pressure was 183 kPa and 93 °C at low idle rpm

Oil filter checked and approved

Oil sample taken

No visual leakages

Engine mechanical approved

Work done by : Leerschool	Signature :
Test done by : Marcel en Arie	Date : 31-7-24

**Pon Power BV**  
Ketelweg 20 - Postbus 61  
3350 AB Papendrecht

Approved by customer :	Signature :
n.v.t	Date :

Approved by class.soc. : n.v.t.	Signature :
DHR:	Date :
STAMPED:	