

Diesel engine test report



| | |
|----------------------|----------|
| Engine serial number | 99U09182 |
| Workorder number | RS28640 |
| Project number | |

| | | | |
|---------------------------------|-------------------------------|---------------------|------------------------|
| Date test start | : Tuesday, January 25, 2022 | | |
| Date test end | : Wednesday, January 26, 2022 | | |
| Customer data | | | |
| Customer | : Diesel Power Holland | Zipcode | : 4782 PZ |
| Address | : Oostelijke Randweg 18 | Telephone number | : 0168 388488 |
| Place | : Moerdijk | Contact person | : Erik van der Giessen |
| Engine data | | | |
| Type | : 3408C DI TA JWAC | O.T. number | : 0T9035 |
| Arrangement number | : 4W4000 | SMU | : 0 |
| Application | : Propulsion | TURBO NR. | : 1W5285 |
| Advertised Speed / Power | : 1800 RPM/ 350 kW | INJECTOR NR. | : 4W7018 |
| Attachments | | | |
| Governor make | : CAT | Type: | Serial number : N/a |
| Ign. system | : N/a | | Serial number : N/a |
| Generator | : N/a | | Serial number : N/a |
| ECM SOFTWARE. | : | ECM NR. | : |
| Adjustments | | | |
| Power kW | : 350 | RPM | : 1800 |
| 910 low idle speed RPM | : 600 | FLS | : 4,57 mm |
| 910 high idle speed RPM | : 1964 | FTS | : 4,62 mm |
| Full load | : 100 | Generator power ekW | : N/a |
| Consumption fuel/gas/oil | | | |
| | | Gas by | : bar |
| Fuel Test end | : 212 liters | | : m ³ |
| Fuel Test start | : 0 liters | | : m ³ |
| Consumption | : 212 liters | | : m ³ |
| Lub. oil | : 60 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 | RPM | Start | 1134 | 1429 | 1642 | 1800 | | | | |
| Load | % | | 25 | 50 | 75 | 100 | | | | |
| Shaft | kW | | 88 | 175 | 263 | 350 | | | | |
| Torque | Nm | | 741 | 1176 | 1530 | 1857 | | | | |
| JW Cooling system | | | | | | | | | | |
| 922 JW inlet temp °C <small>(from cooling system)</small> | | 39 | 45 | 43 | 40 | | | | | |
| 901 JW outlet temp °C <small>(before regulator)</small> | | 85 | 87 | 87 | 89 | | | | | |
| 902 JW pump outlet °C | | 83 | 84 | 84 | 85 | | | | | |
| 903 A/C inlet water temp °C | | 83 | 84 | 84 | 85 | | | | | |
| 903A A/C outlet water temp °C | | 70 | 78 | 85 | 89 | | | | | |
| Lubrication oil system | | | | | | | | | | |
| 913 Lube oil eng. Inlet temp °C | | 90 | 94 | 96 | 99 | | | | | |
| Delta T cooler | | 5 | 8 | 10 | 11 | | | | | |
| 914 Lube oil press. kPa | | 496 | 503 | 507 | 506 | | | | | |
| Crankcase pressure kPa | | 0,1 | 0,2 | 0,2 | 0,2 | | | | | |
| Inlet system | | | | | | | | | | |
| 906 Inlet Manifold temp. °C <small>Before aftercooler</small> | | 31 | 64 | 104 | 145 | | | | | |
| 906 Inlet Manifold temp. R °C <small>After aftercooler</small> | | 73 | 78 | 82 | 93 | | | | | |
| 930 Air@Air cleaner temp. °C | | 11 | 12 | 13 | 14 | | | | | |
| Air inlet pres. L kPa | | 13 | 48 | 98 | 153 | | | | | |
| Ambient temperature: | 7 °C | | | | | | | | | |
| Fuel system | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 917 Fuel pressure kPa | | 230 | 232 | 227 | 222 | | | | | |
| 201 Fuel inlet line °C | | 7 | 7 | 7 | 8 | | | | | |
| 202 Fuel outlet return °C | | 11 | 14 | 16 | 17 | | | | | |
| Fuel consumption L/H | | 22 | 44 | 65 | 88 | | | | | |
| Fuel density g/dm | 828 | by 13 °C | | | | | | | | |
| Exhaust Data | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Stack Temperature °C | | 252 | 325 | 329 | 332 | | | | | |
| Manifold Temperature L °C | | | | | | | | | | |
| Manifold Temperature R °C | | | | | | | | | | |



| Remarks / Exceptions | |
|---|--|
| Remarks: Oil pressure at low idle 191 kPa at 96°C <input checked="" type="checkbox"/> Oil filter checked and approved <input checked="" type="checkbox"/> Oil sample taken <input checked="" type="checkbox"/> No visual leakages <input checked="" type="checkbox"/> Engine mechanical approved <input checked="" type="checkbox"/> Rack sealed | |
| Work done by : Diesel Power Holland Test done by : M. v/d Adel, | Signature : Date : 26-1-22 <div style="text-align: right; color: blue;"> Pon Power BV Ketelweg 20 - Postbus 61 3350 AB Papendrecht </div> |
| Approved by customer : <div style="text-align: center;">n.v.t</div> | Signature : Date : |
| Approved by class.soc. : n.v.t. DHR: STAMPED: | Signature : Date : |