



20014512 - INBOARD - STARBOARD GEARBOX

Sample No: VPA055776
Oil Type: SAE 30W

| SAMPLE INFORMATION Sample Number Sample Number Sample Date 11 Sep 2023 | | | | | |
|--|---------------|-------|--------------|------|--|
| Sample Date 11 Sep 2023 | SAMPLE INFORM | ATION | | | |
| Sample Date 11 Sep 2023 | Sample Number | | VPA055776 | | |
| Machine Hours 0 <t< td=""><td>·</td><td></td><td></td><td> </td><td></td></t<> | · | | | | |
| Oil Changed Sample Status N/A | | | | | |
| SEVERE OIL CONDITION Visc @ 40°C cSt 93.83 CONTAMINATION Water % 1.01 Soldium ppm 66 Soldium ppm 9 WEAR METALS WEAR METALS WEAR METALS WEAR METALS UPQ 28 | Oil Hours | | 0 | | |
| OIL CONDITION CONTAMINATION Water % 1.01 | Oil Changed | | N/A | | |
| Visc @ 40°C cSt ■93.83 <t< td=""><td>Sample Status</td><td></td><td>SEVERE</td><td> </td><td></td></t<> | Sample Status | | SEVERE | | |
| CONTAMINATION Water % ● 1.01 | OIL CONDITION | | | | |
| Water % 1.01 <td< td=""><td>Visc @ 40°C</td><td>cSt</td><td>■93.83</td><td> </td><td></td></td<> | Visc @ 40°C | cSt | ■93.83 | | |
| Silicon ppm 6 <td< td=""><td>CONTAMINATION</td><td></td><td></td><td></td><td></td></td<> | CONTAMINATION | | | | |
| Sodium ppm 9 <td>Water</td> <td>%</td> <td>1.01</td> <td> </td> <td></td> | Water | % | 1.01 | | |
| Potassium ppm ■3 WEAR METALS PQ ■28 Iron ppm ■64 Copper ppm ■530 Lead ppm ■15 Aluminum ppm ■2 Aluminum ppm ■156 Chromium ppm ■0 Chromium ppm ■53 Molybdenum ppm ■4 Nickel ppm ■4 Silver ppm ■ -1 Vanadium ppm ■1335 | Silicon | ppm | 6 | | |
| Potassium ppm 3 WEAR METALS PQ 28 Iron ppm 64 Copper ppm 530 <td< td=""><td>Sodium</td><td>ppm</td><td>■9</td><td> </td><td></td></td<> | Sodium | ppm | ■ 9 | | |
| PQ | Potassium | ppm | ■ 3 | | |
| Iron ppm 64 <th>WEAR METALS</th> <th></th> <th></th> <th></th> <th></th> | WEAR METALS | | | | |
| Copper ppm ▲ 530 | PQ | | ■28 | | |
| Lead ppm ■15 Tin ppm ■2 Aluminum ppm ■156 Chromium ppm ■0 Molybdenum ppm ■53 Nickel ppm ■4 Titanium ppm ■1 Silver ppm ■1 Manganese ppm ■ 1 Vanadium ppm ■1335 ADDITIVES Calcium ppm ■1335 Magnesium ppm ■126 Phosphorus ppm ■1095 Barium ppm ■0 | | ppm | | | |
| Tin ppm 2 Aluminum ppm 156 Chromium ppm 0 Molybdenum ppm 53 Nickel ppm 4 Titanium ppm <1 | Copper | ppm | <u>▲</u> 530 | | |
| Aluminum | | ppm | | | |
| Chromium ppm 0 Molybdenum ppm 53 Nickel ppm 4 Titanium ppm <1 | | ppm | | | |
| Molybdenum ppm 53 Nickel ppm 4 Titanium ppm <1 | | ppm | | | |
| Nickel ppm 4 Titanium ppm <1 | | | | | |
| Titanium ppm | - | ppm | | | |
| Silver ppm <1 Manganese ppm <1 Vanadium ppm 0 ADDITIVES Calcium ppm 1335 Magnesium ppm 702 Zinc ppm 1126 Phosphorus ppm 1095 Barium ppm 0 | | | _ | | |
| Manganese ppm <1 | | | _ | | |
| Vanadium ppm 0 ADDITIVES Calcium ppm 1335 Magnesium ppm 702 Zinc ppm 1126 Phosphorus ppm 1095 Barium ppm 0 | | | | | |
| ADDITIVES Calcium ppm 1335 Magnesium ppm 702 Zinc ppm 1126 Phosphorus ppm 1095 Barium ppm 0 | 3 | | _ | | |
| Calcium ppm 1335 Magnesium ppm 702 Zinc ppm 1126 Phosphorus ppm 1095 Barium ppm 0 | Vanadium | ppm | 0 | | |
| Magnesium ppm 702 Zinc ppm 1126 Phosphorus ppm 1095 Barium ppm 0 | ADDITIVES | | | | |
| Zinc ppm 1126 Phosphorus ppm 1095 Barium ppm 0 | Calcium | ppm | ■1335 | | |
| Phosphorus ppm □ 1095 Barium ppm □ 0 | Magnesium | ppm | 702 | | |
| Barium ppm 0 | Zinc | ppm | 1126 | | |
| - Francisco - Fran | Phosphorus | ppm | 1095 | | |
| Boron ppm 6 | Barium | ppm | 0 | | |
| | Boron | ppm | ■ 6 | | |

ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2 NAPLES, FL US 34104 Contact: KEITH SPICER keith_advanceddiesel@yahoo.com T: (239)580-8731 F:

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Aluminum and copper ppm levels are abnormal. Appearance is hazy. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:VPADVNAPUnique No:10645717Signed:Doug BogartReport Date:14 Sep 2023

OIL ANALYSIS REPORT



