OIL ANALYSIS REPORT

ZF 20137465 - INBOARD - PORT GEARBOX

Sample No: VPA059247 **Oil Type:** SHELL ROTELLA T 30

| SAMPLE INFORMATION | | | | | |
|--------------------|-----|-------------|--|--|--|
| Sample Number | | VPA059247 | | | |
| Sample Date | | 16 Nov 2023 | | | |
| Machine Hours | | 4763 | | | |
| Oil Hours | | 0 | | | |
| Oil Changed | | Not Changd | | | |
| Sample Status | | NORMAL | | | |
| OIL CONDITION | | | | | |
| Visc @ 40°C | cSt | 95.43 | | | |
| CONTAMINATION | | | | | |
| Silicon | ppm | 2 | | | |
| Sodium | ppm | 2 | | | |
| Potassium | ppm | 0 | | | |
| WEAR METALS | | | | | |
| PQ | | 3 | | | |
| Iron | ppm | 1 | | | |
| Copper | ppm | 24 | | | |
| Lead | ppm | 0 | | | |
| Tin | ppm | ■ <1 | | | |
| Aluminum | ppm | 1 | | | |
| Chromium | ppm | 0 | | | |
| Molybdenum | ppm | 99 | | | |
| Nickel | ppm | 0 | | | |
| Titanium | ppm | 0 | | | |
| Silver | ppm | 0 | | | |
| Manganese | ppm | | | | |
| Vanadium | ppm | 0 | | | |
| ADDITIVES | | | | | |
| Calcium | ppm | 2559 | | | |
| Magnesium | ppm | 19 | | | |
| Zinc | ppm | 1117 | | | |
| Phosphorus | ppm | 1012 | | | |
| Barium | ppm | 0 | | | |
| Boron | ppm | 8 | | | |
| | | | | | |

SMART DIESEL SERVICE

102 NW 133RD AVE, UNIT 103 PLANTATION, FL US 33325 Contact: ANDRES GARMENDIA smartdieselservice@gmail.com T: (954)258-8100 F:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VPSMAPLA Unique No: 10750356 Signed: Doug Bogart Report Date: 17 Nov 2023

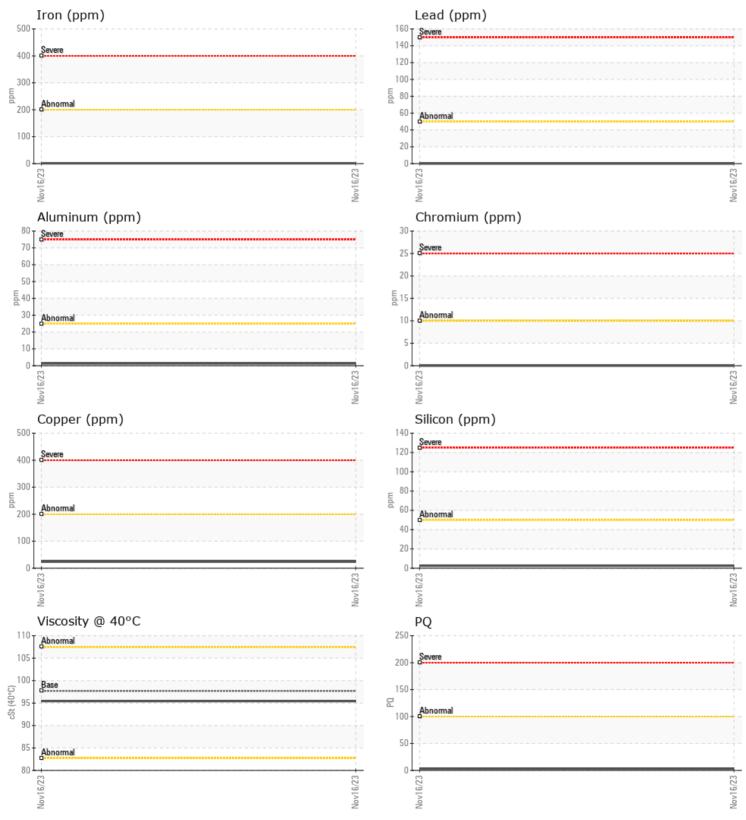
Contact/Location: ANDRES GARMENDIA - VPSMAPLA



OIL ANALYSIS REPORT



GRAPHS



Report Id: VPSMAPLA [WUSCAR] 06011212 (Generated: 11/17/2023 17:04:55) Rev: 1

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