OIL ANALYSIS REPORT

MYLES JB VOLVO PENTA 7011485280 - PORT DIESEL ENGINE

Sample No: VPA057121

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

| Sample Number | | VPA057121 | VPA044079 | | |
|------------------|----------|-------------|--------------|------|--|
| Sample Date | | 03 Dec 2023 | 05 Nov 2022 | | |
| Machine Hours | | 225 | 193 | | |
| Dil Hours | | 0 | 0 | | |
| Dil Changed | | Changed | Changed | | |
| Sample Status | | NORMAL | ATTENTION | | |
| OIL CONDITION | | | | | |
| /isc @ 100°C | cSt | 13.5 | 1 0.9 | | |
| Base Number (BN) | mg KOH/g | 8.3 | 8.8 | | |
| Dxidation (PA) | % | 63 | 62 | | |
| CONTAMINATION | | | | | |
| /ater | % | NEG | NEG | | |
| Soot % | % | 0.2 | 0.6 | | |
| Nitration (PA) | % | 48 | 63 | | |
| Sulfation (PA) | % | 55 | 56 | | |
| Glycol | % | NEG | NEG | | |
| uel | % | <1.0 | 1.5 | | |
| ilicon | ppm | 13 | 35 | | |
| odium | ppm | 9 | 3 | | |
| otassium | ppm | 33 | 4 | | |
| WEAR METALS | | | | | |
| ron | ppm | 97 | 28 | | |
| opper | ppm | 27 | 1 32 | | |
| ad | ppm | 0 | 3 | | |
| n | ppm | 2 | 4 | | |
| luminum | ppm | 18 | 2 | | |
| hromium | ppm | 2 | 2 | | |
| /lolybdenum | ppm | 47 | 8 | | |
| lickel | ppm | <1 | 3 | | |
| ïtanium | ppm | 0 | 0 | | |
| ilver | ppm | 0 | 2 | | |
| Manganese | ppm | 10 | 2 | | |
| anadium | ppm | 0 | <1 | | |
| ADDITIVES | | | | | |
| Calcium | ppm | 1799 | 2452 | | |
| lagnesium | ppm | 537 | 30 | | |
| linc | ppm | 955 | 1165 | | |
| hosphorus | ppm | 768 | 959 | | |
| Barium | ppm | 0 | 0 | | |
| | | 27 | 27 | | |

Point Judith Marina

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Diagnosis

Oil and filter change at the time of sampling has been noted. 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Contact/Location: MATT ST. ANGELO - VP153811

Report Date:

VP153811

10777223

Angela Borella

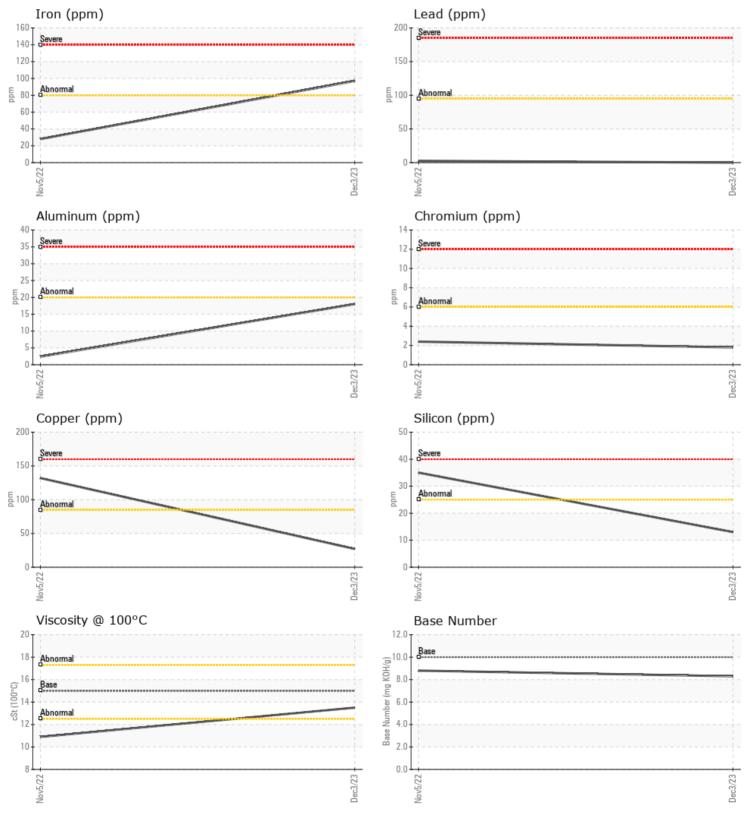
08 Dec 2023



OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: MATT ST. ANGELO - VP153811