

OIL ANALYSIS REPORT

VOLVO PENTA

NADINE URUIOLI 2300552 SILVER SEAS CUMMINS L170282165 - GENSET

Sample No: VPA051973

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

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA051973 | --- | --- | --- |
| Sample Date | 01 Nov 2023 | --- | --- | --- |
| Machine Hours | 1093 | --- | --- | --- |
| Oil Hours | 1093 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

OIL CONDITION

| | | | | | |
|------------------|----------|------|-----|-----|-----|
| Visc @ 100°C | cSt | 12.3 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | 7.9 | --- | --- | --- |
| Oxidation (PA) | % | 63 | --- | --- | --- |

CONTAMINATION

| | | | | | |
|----------------|-----|-----|-----|-----|-----|
| Soot % | % | 0.1 | --- | --- | --- |
| Nitration (PA) | % | 48 | --- | --- | --- |
| Sulfation (PA) | % | 53 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | 2.5 | --- | --- | --- |
| Silicon | ppm | 14 | --- | --- | --- |
| Sodium | ppm | 3 | --- | --- | --- |
| Potassium | ppm | 2 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|----|-----|-----|-----|
| Iron | ppm | 7 | --- | --- | --- |
| Copper | ppm | 2 | --- | --- | --- |
| Lead | ppm | 0 | --- | --- | --- |
| Tin | ppm | 0 | --- | --- | --- |
| Aluminum | ppm | 2 | --- | --- | --- |
| Chromium | ppm | <1 | --- | --- | --- |
| Molybdenum | ppm | 59 | --- | --- | --- |
| Nickel | ppm | 0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | 0 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Calcium | ppm | 1026 | --- | --- | --- |
| Magnesium | ppm | 905 | --- | --- | --- |
| Zinc | ppm | 1176 | --- | --- | --- |
| Phosphorus | ppm | 991 | --- | --- | --- |
| Barium | ppm | 5 | --- | --- | --- |
| Boron | ppm | 2 | --- | --- | --- |

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T: x:
F: x:

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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.

Depot: VP152741
Unique No: 10729259
Signed: Doug Bogart
Report Date: 08 Nov 2023

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GRAPHS

