

OIL ANALYSIS REPORT

VOLVO PENTA

JOSHUA SMITH 533400 VOLVO PENTA A521691 - PORT DIESEL ENGINE

Sample No: VPA036606

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

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA036606 | --- | --- | --- |
| Sample Date | 06 Oct 2023 | --- | --- | --- |
| Machine Hours | 316 | --- | --- | --- |
| Oil Hours | 101 | --- | --- | --- |
| Oil Changed | Not Changd | --- | --- | --- |
| Sample Status | MARGINAL | --- | --- | --- |

Jas Marine Service Inc.

1009 Newman RD.

LAKE PARK, FL

US 33403

Contact: DEBBIE

debbie@jasmarine.com

T: (561)844-3224

F:

OIL CONDITION

| | | | | | |
|------------------|----------|---------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 14.17 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 8.7 | --- | --- | --- |
| Oxidation (PA) | % | 69 | --- | --- | --- |

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other 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 suitable for further service.

CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Soot % | % | █ 0.3 | --- | --- | --- |
| Nitration (PA) | % | 68 | --- | --- | --- |
| Sulfation (PA) | % | 56 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 8 | --- | --- | --- |
| Sodium | ppm | █ 2 | --- | --- | --- |
| Potassium | ppm | █ 0 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 22 | --- | --- | --- |
| Copper | ppm | █ 8 | --- | --- | --- |
| Lead | ppm | █ 8 | --- | --- | --- |
| Tin | ppm | █ 1 | --- | --- | --- |
| Aluminum | ppm | ▲ 39 | --- | --- | --- |
| Chromium | ppm | █ 3 | --- | --- | --- |
| Molybdenum | ppm | █ 51 | --- | --- | --- |
| Nickel | ppm | █ 1 | --- | --- | --- |
| Titanium | ppm | █ <1 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1195 | --- | --- | --- |
| Magnesium | ppm | █ 800 | --- | --- | --- |
| Zinc | ppm | █ 926 | --- | --- | --- |
| Phosphorus | ppm | █ 796 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 53 | --- | --- | --- |

Depot: VP152963

Unique No: 10686572

Signed: Doug Bogart

Report Date: 10 Oct 2023

OIL ANALYSIS REPORT



GRAPHS

