

OIL ANALYSIS REPORT

VOLVO PENTA

AMAD VOLVO PENTA 2013749000 - PORT DIESEL ENGINE

Sample No: VPA051738

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA051738 | --- | --- | --- |
| Sample Date | 28 Jul 2023 | --- | --- | --- |
| Machine Hours | 802 | --- | --- | --- |
| Oil Hours | 200 | --- | --- | --- |
| Oil Changed | Not Changd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

Outstanding Marine

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OIL CONDITION

| | | | | | |
|------------------|----------|---------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 13.47 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 9.2 | --- | --- | --- |
| Oxidation (PA) | % | 59 | --- | --- | --- |

CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Soot % | % | █ 1.1 | --- | --- | --- |
| Nitration (PA) | % | 68 | --- | --- | --- |
| Sulfation (PA) | % | 58 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 7 | --- | --- | --- |
| Sodium | ppm | █ <1 | --- | --- | --- |
| Potassium | ppm | █ 2 | --- | --- | --- |

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 18 | --- | --- | --- |
| Copper | ppm | █ 3 | --- | --- | --- |
| Lead | ppm | █ <1 | --- | --- | --- |
| Tin | ppm | █ <1 | --- | --- | --- |
| Aluminum | ppm | █ 3 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 65 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | █ 0 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1139 | --- | --- | --- |
| Magnesium | ppm | █ 987 | --- | --- | --- |
| Zinc | ppm | █ 1276 | --- | --- | --- |
| Phosphorus | ppm | █ 1070 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ <1 | --- | --- | --- |

Depot: VP153685
Unique No: 10578399
Signed: Doug Bogart
Report Date: 31 Jul 2023

OIL ANALYSIS REPORT



GRAPHS

