

OIL ANALYSIS REPORT

**VOLVO
PENTA**

T1269846 - GASOLINE ENGINE

Sample No: VPA051680

Oil Type: {unknown}

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA051680 | --- | --- | --- |
| Sample Date | 27 Feb 2024 | --- | --- | --- |
| Machine Hours | 42 | --- | --- | --- |
| Oil Hours | 42 | --- | --- | --- |
| Oil Changed | Not Changd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 11.5 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 8.1 | --- | --- | --- |
| Oxidation (PA) | % | 9 | --- | --- | --- |

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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.

CONTAMINATION

| | | | | | |
|----------------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Soot % | % | █ 0 | --- | --- | --- |
| Nitration (PA) | % | 5 | --- | --- | --- |
| Sulfation (PA) | % | 9 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 21 | --- | --- | --- |
| Sodium | ppm | █ 13 | --- | --- | --- |
| Potassium | ppm | █ 3 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 18 | --- | --- | --- |
| Copper | ppm | █ 9 | --- | --- | --- |
| Lead | ppm | █ 3 | --- | --- | --- |
| Tin | ppm | █ 2 | --- | --- | --- |
| Aluminum | ppm | █ <1 | --- | --- | --- |
| Chromium | ppm | █ 0 | --- | --- | --- |
| Molybdenum | ppm | 80 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Calcium | ppm | 2135 | --- | --- | --- |
| Magnesium | ppm | 148 | --- | --- | --- |
| Zinc | ppm | 886 | --- | --- | --- |
| Phosphorus | ppm | 843 | --- | --- | --- |
| Barium | ppm | <1 | --- | --- | --- |
| Boron | ppm | 5 | --- | --- | --- |

Depot: VPSTEFOR
Unique No: 10913300
Signed: Doug Bogart
Report Date: 13 Mar 2024

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GRAPHS

