

OIL ANALYSIS REPORT

VOLVO PENTA

535110628 - PORT MAIN ENGINE

Sample No: VPA053300

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA053300 | --- | --- | --- |
| Sample Date | 13 May 2024 | --- | --- | --- |
| Machine Hours | 17000 | --- | --- | --- |
| Oil Hours | 500 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

MERCURY TRANSPORT
6695 NELSON AVE
WEST VANCOUVER, BC
CA V7W 2B2
Contact: Service Manager

OIL CONDITION

| | | | | | |
|----------------------|-------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 87.9 | --- | --- | --- |
| Visc @ 100°C | cSt | ■ 12.7 | --- | --- | --- |
| Viscosity Index (VI) | Scale | ■ 141 | --- | --- | --- |
| Oxidation (PA) | % | ■ 39 | --- | --- | --- |

T:
F:

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 15W40. Please confirm. 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 % | % | ■ 0.1 | --- | --- | --- |
| Nitration (PA) | % | ■ 56 | --- | --- | --- |
| Sulfation (PA) | % | ■ 48 | --- | --- | --- |
| Glycol | % | ■ NEG | --- | --- | --- |
| Fuel | % | ■ <1.0 | --- | --- | --- |
| Silicon | ppm | ■ 1 | --- | --- | --- |
| Sodium | ppm | ■ 1 | --- | --- | --- |
| Potassium | ppm | ■ 1 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | ■ 4 | --- | --- | --- |
| Copper | ppm | ■ <1 | --- | --- | --- |
| Lead | ppm | ■ 0 | --- | --- | --- |
| Tin | ppm | ■ 0 | --- | --- | --- |
| Aluminum | ppm | ■ <1 | --- | --- | --- |
| Chromium | ppm | ■ 0 | --- | --- | --- |
| Molybdenum | ppm | ■ 1 | --- | --- | --- |
| Nickel | ppm | ■ 0 | --- | --- | --- |
| Titanium | ppm | ■ 0 | --- | --- | --- |
| Silver | ppm | ■ 0 | --- | --- | --- |
| Manganese | ppm | ■ 0 | --- | --- | --- |
| Vanadium | ppm | ■ 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 2219 | --- | --- | --- |
| Magnesium | ppm | ■ 119 | --- | --- | --- |
| Zinc | ppm | ■ 1044 | --- | --- | --- |
| Phosphorus | ppm | ■ 836 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 9 | --- | --- | --- |

Depot: MER669WES
Unique No: 5786394
Signed: Kevin Marson
Report Date: 23 May 2024

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GRAPHS

