

OIL ANALYSIS REPORT

VOLVO PENTA

PETER SCHEIN PETER SCHEIN VELVET DRIVE PETER SCHEIN - STERNDRIVE (S/N NOT GIVEN) - PORT DIESEL ENGINE

Sample No: VPA051568

Oil Type: VOLVO 10W40

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA051568 | --- | --- | --- |
| Sample Date | 07 Mar 2024 | --- | --- | --- |
| Machine Hours | 0 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

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T: x:

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 13.6 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 10.2 | --- | --- | --- |
| Oxidation (PA) | % | 56 | --- | --- | --- |

Diagnosis

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 suitable for further service.

CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Soot % | % | █ 0.1 | --- | --- | --- |
| Nitration (PA) | % | 43 | --- | --- | --- |
| Sulfation (PA) | % | 50 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | <1.0 | --- | --- | --- |
| Silicon | ppm | █ 7 | --- | --- | --- |
| Sodium | ppm | █ 0 | --- | --- | --- |
| Potassium | ppm | █ 1 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 7 | --- | --- | --- |
| Copper | ppm | █ 4 | --- | --- | --- |
| Lead | ppm | █ 2 | --- | --- | --- |
| Tin | ppm | █ <1 | --- | --- | --- |
| Aluminum | ppm | █ 2 | --- | --- | --- |
| Chromium | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 64 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | █ <1 | --- | --- | --- |
| Silver | ppm | █ <1 | --- | --- | --- |
| Manganese | ppm | <1 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 1161 | --- | --- | --- |
| Magnesium | ppm | █ 909 | --- | --- | --- |
| Zinc | ppm | █ 1255 | --- | --- | --- |
| Phosphorus | ppm | █ 1086 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 38 | --- | --- | --- |

Depot: VP152741

Unique No: 10928140

Signed: Don Baldrige

Report Date: 18 Mar 2024

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GRAPHS

