

OIL ANALYSIS REPORT

VOLVO PENTA

TACANOPI M383531 - CENTER GASOLINE ENGINE

Sample No: VPA058932
Oil Type: QUICK SILVER 25W40

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VPA058932 | VPA044223 | --- | --- |
| Sample Date | 04 Dec 2023 | 01 Dec 2022 | --- | --- |
| Machine Hours | 13 | 295 | --- | --- |
| Oil Hours | 13 | 10 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

OIL CONDITION

| | | | | | |
|------------------|----------|--------|--------|-----|-----|
| Visc @ 100°C | cSt | █ 13.3 | █ 13.4 | --- | --- |
| Base Number (BN) | mg KOH/g | █ 9.0 | █ 9.5 | --- | --- |
| Oxidation (PA) | % | 13 | 13 | --- | --- |

CONTAMINATION

| | | | | | |
|----------------|-----|-------|-------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Soot % | % | █ 0.1 | █ 0.1 | --- | --- |
| Nitration (PA) | % | 6 | 7 | --- | --- |
| Sulfation (PA) | % | 10 | 10 | --- | --- |
| Glycol | % | NEG | NEG | --- | --- |
| Fuel | % | <1.0 | <1.0 | --- | --- |
| Silicon | ppm | █ 4 | █ 4 | --- | --- |
| Sodium | ppm | █ 0 | █ 2 | --- | --- |
| Potassium | ppm | █ 1 | █ 0 | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|------|------|-----|-----|
| Iron | ppm | █ 4 | █ 3 | --- | --- |
| Copper | ppm | █ 21 | █ 24 | --- | --- |
| Lead | ppm | █ 0 | █ <1 | --- | --- |
| Tin | ppm | █ 0 | █ <1 | --- | --- |
| Aluminum | ppm | █ 1 | █ <1 | --- | --- |
| Chromium | ppm | █ <1 | █ <1 | --- | --- |
| Molybdenum | ppm | 50 | 48 | --- | --- |
| Nickel | ppm | █ 0 | █ 0 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | █ 0 | █ 0 | --- | --- |
| Manganese | ppm | 0 | <1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|------|------|-----|-----|
| Calcium | ppm | 2072 | 2183 | --- | --- |
| Magnesium | ppm | 19 | 23 | --- | --- |
| Zinc | ppm | 839 | 814 | --- | --- |
| Phosphorus | ppm | 727 | 724 | --- | --- |
| Barium | ppm | 3 | 0 | --- | --- |
| Boron | ppm | 213 | 207 | --- | --- |

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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.

Depot: VP592286
Unique No: 10778825
Signed: Doug Bogart
Report Date: 11 Dec 2023

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GRAPHS

