

OIL ANALYSIS REPORT

VOLVO PENTA

SCANIA SCANIA D1-16 (S/N NOT GIVEN) - 1 MAIN ENGINE

Sample No: VPA054446

Oil Type: SHELL ROTELLA T6 15W40

SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VPA054446 | --- | --- | --- |
| Sample Date | 21 May 2024 | --- | --- | --- |
| Machine Hours | 3888 | --- | --- | --- |
| Oil Hours | 500 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

WINDSERVE MARINE

10 MACNAUGHT ST
NORTH KINGSTOWN, RI
US 02852

Contact: Ryan Linn

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | █ 13.8 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | █ 6.4 | --- | --- | --- |
| Oxidation (PA) | % | 67 | --- | --- | --- |

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 acceptable for the time in service.

CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Soot % | % | █ 0.3 | --- | --- | --- |
| Nitration (PA) | % | 76 | --- | --- | --- |
| Sulfation (PA) | % | 55 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | < 1.0 | --- | --- | --- |
| Silicon | ppm | █ 6 | --- | --- | --- |
| Sodium | ppm | █ 2 | --- | --- | --- |
| Potassium | ppm | █ 2 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | █ 8 | --- | --- | --- |
| Copper | ppm | █ 5 | --- | --- | --- |
| Lead | ppm | █ 3 | --- | --- | --- |
| Tin | ppm | █ < 1 | --- | --- | --- |
| Aluminum | ppm | █ 2 | --- | --- | --- |
| Chromium | ppm | █ < 1 | --- | --- | --- |
| Molybdenum | ppm | 40 | --- | --- | --- |
| Nickel | ppm | █ < 1 | --- | --- | --- |
| Titanium | ppm | █ < 1 | --- | --- | --- |
| Silver | ppm | █ < 1 | --- | --- | --- |
| Manganese | ppm | < 1 | --- | --- | --- |
| Vanadium | ppm | █ < 1 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Calcium | ppm | 1815 | --- | --- | --- |
| Magnesium | ppm | 493 | --- | --- | --- |
| Zinc | ppm | 1399 | --- | --- | --- |
| Phosphorus | ppm | 1107 | --- | --- | --- |
| Barium | ppm | 1 | --- | --- | --- |
| Boron | ppm | 38 | --- | --- | --- |

Depot: VPSENNOR

Unique No: 11044165

Signed: Don Baldrige

Report Date: 24 May 2024

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GRAPHS

