

OIL ANALYSIS REPORT

**VOLVO
PENTA**

SCANIA SCANIA D1-16 (S/N NOT GIVEN) - 4 MAIN ENGINE

Sample No: VPA054449

Oil Type: SHELL ROTELLA T6 15W40

SAMPLE INFORMATION

Sample Number	VPA054449	---	---	---
Sample Date	21 May 2024	---	---	---
Machine Hours	3904	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

WINDSERVE MARINE

10 MACNAUGHT ST
NORTH KINGSTOWN, RI
US 02852

Contact: Ryan Linn

RyanL@windservemarine.com

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 7.1	---	---	---
Oxidation (PA)	%	67	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 1	---	---	---

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.

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	40	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	█ <1	---	---	---

ADDITIVES

Calcium	ppm	1789	---	---	---
Magnesium	ppm	456	---	---	---
Zinc	ppm	1311	---	---	---
Phosphorus	ppm	1080	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	35	---	---	---

Depot: VPSENNOR

Unique No: 11044168

Signed: Don Baldrige

Report Date: 24 May 2024

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GRAPHS

