

OIL ANALYSIS REPORT

VOLVO PENTA

JOSEF SZIJARTO VOLVO PENTA 2204301231 - DIESEL ENGINE

Sample No: VPA059781

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA059781	---	---	---
Sample Date	10 Jan 2024	---	---	---
Machine Hours	450	---	---	---
Oil Hours	60	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Sea & Ski Marina
740 A Ohms Way
COSTA MESA, CA
US 92627
Contact: Grant Hellinger
seaski@sbcglobal.net
T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 16.1	---	---	---
Base Number (BN)	mg KOH/g	█ 7.9	---	---	---
Oxidation (PA)	%	77	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	80	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---

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	█ 33	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 8	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2094	---	---	---
Magnesium	ppm	139	---	---	---
Zinc	ppm	█ 1227	---	---	---
Phosphorus	ppm	█ 1019	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 142	---	---	---

Depot: VP154129
Unique No: 10842768
Signed: Don Baldrige
Report Date: 23 Jan 2024

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GRAPHS

