

OIL ANALYSIS REPORT

VOLVO PENTA

MATT SHAEFER 53968 VOLVO PENTA A1076433 - PORT DIESEL ENGINE

Sample No: VPA047081

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA047081	---	---	---
Sample Date	24 Apr 2024	---	---	---
Machine Hours	211	---	---	---
Oil Hours	70	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	59	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	54	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 23	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 59	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1339	---	---	---
Magnesium	ppm	979	---	---	---
Zinc	ppm	█ 1356	---	---	---
Phosphorus	ppm	█ 1146	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 7	---	---	---

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Contact: KELLI W
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T:
F:

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.

Depot: VP491768

Unique No: 11002968

Signed: Don Baldrige

Report Date: 30 Apr 2024

Contact/Location: KELLI W - VP491768

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GRAPHS

