

OIL ANALYSIS REPORT

VOLVO PENTA

RESOLUTION 4287 M60532 - CENTER DIESEL ENGINE

Sample No: VPA047812
Oil Type: SHELL 15W40

SAMPLE INFORMATION

Sample Number	VPA047812	---	---	---
Sample Date	26 Jun 2024	---	---	---
Machine Hours	656	---	---	---
Oil Hours	18	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.33	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	59	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	47	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 59	---	---	---
Potassium	ppm	█ 11	---	---	---

WEAR METALS

Iron	ppm	█ 19	---	---	---
Copper	ppm	█ 45	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 14	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 23	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2334	---	---	---
Magnesium	ppm	█ 45	---	---	---
Zinc	ppm	█ 1251	---	---	---
Phosphorus	ppm	█ 1063	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 143	---	---	---

The Talaria Company

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Diagnosis

No corrective action is recommended at this time. 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: VP592286
Unique No: 11102181
Signed: Doug Bogart
Report Date: 28 Jun 2024

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GRAPHS

