

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA A1139241 - PORT DIESEL ENGINE

Sample No: VPA035718

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA035718	---	---	---
Sample Date	21 Sep 2023	---	---	---
Machine Hours	162	---	---	---
Oil Hours	40	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

MYEERAH LLC

3 DONEGAL RD

PEABODY, ME

US 01960

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F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 10.2	---	---	---
Oxidation (PA)	%	54	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. No evidence of salt water present in the oil. 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 suitable for further service.

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	39	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 3	---	---	---

WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 62	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1134	---	---	---
Magnesium	ppm	█ 1061	---	---	---
Zinc	ppm	█ 1384	---	---	---
Phosphorus	ppm	█ 1090	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

Depot: VPMYEPEA

Unique No: 10670474

Signed: Jonathan Hester

Report Date: 02 Oct 2023

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GRAPHS

