

OIL ANALYSIS REPORT

VOLVO PENTA

557323 VOLVO PENTA A5 10256 - CENTER DIESEL ENGINE

Sample No: VPA062060

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

SAMPLE INFORMATION

Sample Number	VPA062060	---	---	---
Sample Date	08 May 2024	---	---	---
Machine Hours	170	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

STEWART & STEVENSON

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.4	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	63	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	44	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 17	---	---	---

WEAR METALS

Iron	ppm	█ 33	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 12	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 2797	---	---	---
Magnesium	ppm	█ 57	---	---	---
Zinc	ppm	█ 1493	---	---	---
Phosphorus	ppm	█ 1388	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 304	---	---	---

Depot: VP1224183
Unique No: 11022875
Signed: Sean Felton
Report Date: 14 May 2024

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GRAPHS

