

OIL ANALYSIS REPORT

VOLVO PENTA

ERIK ASK DANIEL/503072 VOLVO PENTA A358889 - CENTER DIESEL ENGINE

Sample No: VPA061987

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

SAMPLE INFORMATION

Sample Number	VPA061987	VPA056934	---	---
Sample Date	06 May 2024	17 May 2023	---	---
Machine Hours	3313	3037	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	█ 14.4	---	---
Base Number (BN)	mg KOH/g	█ 8.7	█ 8.4	---	---
Oxidation (PA)	%	█ 103	59	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.4	█ 0.2	---	---
Nitration (PA)	%	█ 98	78	---	---
Sulfation (PA)	%	█ 65	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 4	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ 2	█ 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 suitable for further service.

WEAR METALS

Iron	ppm	█ 14	█ 5	---	---
Copper	ppm	█ 15	█ 4	---	---
Lead	ppm	█ 4	█ <1	---	---
Tin	ppm	█ 1	█ <1	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 44	█ 8	---	---
Nickel	ppm	█ 2	█ <1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	█ 0	█ 0	---	---

ADDITIVES

Calcium	ppm	█ 1481	█ 1521	---	---
Magnesium	ppm	█ 644	█ 710	---	---
Zinc	ppm	█ 1029	█ 1157	---	---
Phosphorus	ppm	█ 816	█ 984	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 39	█ 76	---	---

Depot: VP794951
Unique No: 11018536
Signed: Sean Felton
Report Date: 10 May 2024

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GRAPHS

