

OIL ANALYSIS REPORT

VOLVO PENTA

PHIL HOLT EVAN/503040 VOLVO PENTA A1208477 - CENTER DIESEL ENGINE

Sample No: VPA061584

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

SAMPLE INFORMATION

Sample Number	VPA061584	VPA050678	---	---
Sample Date	22 Apr 2024	29 Aug 2023	---	---
Machine Hours	226	50	---	---
Oil Hours	226	50	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	█ 13.0	---	---
Base Number (BN)	mg KOH/g	█ 10.0	█ 9.6	---	---
Oxidation (PA)	%	56	56	---	---

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.

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	42	38	---	---
Sulfation (PA)	%	51	51	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 8	█ 16	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ <1	█ 1	---	---

WEAR METALS

Iron	ppm	█ 12	█ 6	---	---
Copper	ppm	█ 4	█ 10	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 60	█ 56	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1205	█ 1133	---	---
Magnesium	ppm	1034	913	---	---
Zinc	ppm	█ 1445	█ 1296	---	---
Phosphorus	ppm	█ 1205	█ 1064	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 1	█ 0	---	---

Depot: VP794951
Unique No: 10994099
Signed: Angela Borella
Report Date: 25 Apr 2024

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GRAPHS

