

OIL ANALYSIS REPORT

VOLVO PENTA

JACK SCHMIDT VOLVO PENTA A5 17578 - DIESEL ENGINE

Sample No: VPA041526

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA041526	---	---	---
Sample Date	30 Jul 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	367	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Wikan Enterprises Inc

929
PETERSBURG, AK
US 99833
Contact: Sheri Wikan
wikanent@alaska.com

T:
F:

OIL CONDITION

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

CONTAMINATION

Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	77	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 4	---	---	---

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.

WEAR METALS

Iron	ppm	█ 32	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	25	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1467	---	---	---
Magnesium	ppm	█ 601	---	---	---
Zinc	ppm	█ 923	---	---	---
Phosphorus	ppm	█ 754	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 148	---	---	---

Depot: VP254846
Unique No: 10578432
Signed: Don Baldrige
Report Date: 02 Aug 2023

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GRAPHS

