

OIL ANALYSIS REPORT

VOLVO PENTA

WHIMS 533998 VOLVO PENTA A1089071 - PORT DIESEL ENGINE

Sample No: VPA060717

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

SAMPLE INFORMATION

Sample Number	VPA060717	VPA056995	---	---
Sample Date	13 Feb 2024	16 Aug 2023	---	---
Machine Hours	1027	968	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

Jas Marine Service Inc

3131 SW 2Nd Ave.
FORT LAUDERDALE, FL
US 33315
Contact: JASON TOLEDO
jason@jasmarine.com
T: (954)462-1112
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 14.2	---	---
Base Number (BN)	mg KOH/g	█ 10.0	█ 8.9	---	---
Oxidation (PA)	%	56	68	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 1.1	---	---
Nitration (PA)	%	45	77	---	---
Sulfation (PA)	%	52	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 7	---	---
Sodium	ppm	█ <1	█ 3	---	---
Potassium	ppm	█ 2	█ <1	---	---

WEAR METALS

Iron	ppm	█ 9	█ 19	---	---
Copper	ppm	█ 4	█ 11	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 1	█ 3	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 57	█ 49	---	---
Nickel	ppm	█ <1	█ 1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 968	█ 1217	---	---
Magnesium	ppm	█ 876	█ 794	---	---
Zinc	ppm	█ 1111	█ 905	---	---
Phosphorus	ppm	█ 868	█ 722	---	---
Barium	ppm	█ 11	█ 0	---	---
Boron	ppm	█ 6	█ 20	---	---

Diagnosis

No corrective action is recommended at this time. 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.

Depot: VP426065
Unique No: 10882776
Signed: Doug Bogart
Report Date: 16 Feb 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

