

OIL ANALYSIS REPORT

VOLVO PENTA

ALBIN YANMAR 51467 - MAIN ENGINE

Sample No: VPA046959
Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA046959	---	---	---
Sample Date	20 Jun 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 109	---	---	---
Visc @ 100°C	cSt	█ 13.72	---	---	---
Viscosity Index (VI)	Scale	125	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	69	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	50	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	45	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	2209	---	---	---
Magnesium	ppm	485	---	---	---
Zinc	ppm	1566	---	---	---
Phosphorus	ppm	1285	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	117	---	---	---

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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 suitable for further service.

Depot: VPDEEAVO
Unique No: 10532768
Signed: Doug Bogart
Report Date: 06 Jul 2023

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GRAPHS

