

OIL ANALYSIS REPORT

VOLVO PENTA

KISMET ANDREW VOLVO PENTA 7011479083 - PORT DIESEL ENGINE

Sample No: VPA036999

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA036999	VPA046334	---	---
Sample Date	30 Oct 2023	01 Mar 2023	---	---
Machine Hours	223	193	---	---
Oil Hours	0	100	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	▲ 10.4	---	---
Base Number (BN)	mg KOH/g	█ 10.1	█ 8.3	---	---
Oxidation (PA)	%	53	54	---	---

CONTAMINATION

Soot %	%	█ 0.1	█ 0.3	---	---
Nitration (PA)	%	37	53	---	---
Sulfation (PA)	%	50	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	█ 1.0	▲ 4.3	---	---
Silicon	ppm	█ 5	█ 47	---	---
Sodium	ppm	█ 0	█ 2	---	---
Potassium	ppm	█ 2	█ 3	---	---

WEAR METALS

Iron	ppm	█ 2	█ 21	---	---
Copper	ppm	█ 4	▲ 86	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ <1	█ 3	---	---
Aluminum	ppm	█ 2	█ 3	---	---
Chromium	ppm	█ 0	█ 2	---	---
Molybdenum	ppm	█ 57	7	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ <1	█ <1	---	---
Manganese	ppm	█ 0	█ 2	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	966	2489	---	---
Magnesium	ppm	█ 865	14	---	---
Zinc	ppm	█ 1122	█ 1095	---	---
Phosphorus	ppm	█ 984	█ 937	---	---
Barium	ppm	█ 4	█ 0	---	---
Boron	ppm	█ 2	█ 45	---	---

GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

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F:

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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: VP531377

Unique No: 10723244

Signed: Jonathan Hester

Report Date: 03 Nov 2023

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GRAPHS

