

OIL ANALYSIS REPORT

VOLVO PENTA

MORALES MORALES KOHLER MORALES (S/N UNKNOWN) - GENSET

Sample No: VPA048780

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA048780	---	---	---
Sample Date	12 Oct 2023	---	---	---
Machine Hours	450	---	---	---
Oil Hours	450	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 12.3	---	---	---
Base Number (BN)	mg KOH/g	8.0	---	---	---
Oxidation (PA)	%	70	---	---	---

CONTAMINATION

Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 3.8	---	---	---
Silicon	ppm	■ 30	---	---	---
Sodium	ppm	■ 57	---	---	---
Potassium	ppm	■ 4	---	---	---

WEAR METALS

Iron	ppm	■ 52	---	---	---
Copper	ppm	■ 32	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 55	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1932	---	---	---
Magnesium	ppm	502	---	---	---
Zinc	ppm	■ 1189	---	---	---
Phosphorus	ppm	■ 797	---	---	---
Barium	ppm	■ 7	---	---	---
Boron	ppm	■ 28	---	---	---

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.

Depot: VP152567
Unique No: 10696627
Signed: Sean Felton
Report Date: 17 Oct 2023

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GRAPHS

