

OIL ANALYSIS REPORT

**VOLVO
PENTA**

EUREKA SRV14561 VOLVO PENTA 2120265489 - INDUSTRIAL ENGINE - GENSET

Sample No: VPA049722

Oil Type: VALVOLINE 15W40

SAMPLE INFORMATION

Sample Number	VPA049722	---	---	---
Sample Date	11 Oct 2023	---	---	---
Machine Hours	1790	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 12.1	---	---	---
Base Number (BN)	mg KOH/g	■ 9.4	---	---	---
Oxidation (PA)	%	52	---	---	---

CONTAMINATION

Soot %	%	■ 0	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 6.2	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 4	---	---	---

WEAR METALS

Iron	ppm	■ 1	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 57	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1003	---	---	---
Magnesium	ppm	■ 903	---	---	---
Zinc	ppm	■ 1241	---	---	---
Phosphorus	ppm	■ 1021	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	6	---	---	---

PARTS & POWER

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Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VP981217
Unique No: 10709784
Signed: Jonathan Hester
Report Date: 25 Oct 2023

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GRAPHS

