

OIL ANALYSIS REPORT

VOLVO PENTA

VALKYRIE 10072 3B020480 - CENTER GASOLINE ENGINE

Sample No: VPA059673
Oil Type: MERC 25W40

SAMPLE INFORMATION

Sample Number	VPA059673	---	---	---
Sample Date	03 Nov 2023	---	---	---
Machine Hours	324	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	▲ 9.5	---	---	---
Base Number (BN)	mg KOH/g	■ 8.2	---	---	---
Oxidation (PA)	%	■ 16	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 11	---	---	---
Sulfation (PA)	%	■ 13	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	◆ 12.0	---	---	---
Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---

WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 210	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 46	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1980	---	---	---
Magnesium	ppm	9	---	---	---
Zinc	ppm	789	---	---	---
Phosphorus	ppm	620	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	161	---	---	---

The Talaria Company

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Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high 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. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP592286
Unique No: 10751218
Signed: Jonathan Hester
Report Date: 29 Nov 2023

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GRAPHS

