

OIL ANALYSIS REPORT

VOLVO PENTA

MULLIGAN VOLVO PENTA 3950005024 - STARBOARD IPS

Sample No: VPA036618

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA036618	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	381	---	---	---
Oil Hours	51	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 103.4	---	---	---
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CONTAMINATION

Water	%	▲ 0.690	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	█ 99	---	---	---
Potassium	ppm	█ 8	---	---	---

WEAR METALS

PQ		█ 22	---	---	---
Iron	ppm	█ 127	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	10	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	1	---	---	---
Manganese	ppm	█ 8	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 19	---	---	---
Magnesium	ppm	█ 78	---	---	---
Zinc	ppm	█ 128	---	---	---
Phosphorus	ppm	█ 1760	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 394	---	---	---

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Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is hazy. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP152133
Unique No: 10602572
Signed: Doug Bogart
Report Date: 11 Aug 2023

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GRAPHS

