

OIL ANALYSIS REPORT

VOLVO PENTA

HAGGARD VOLVO PENTA 3200003593 - STARBOARD IPS

Sample No: VPA062948

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA062948	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	203	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 104.6	---	---	---
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CONTAMINATION

Water	%	▲ 0.267	---	---	---
Silicon	ppm	■ 1	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

PQ		■ 17	---	---	---
Iron	ppm	■ 25	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 8	---	---	---
Magnesium	ppm	■ 27	---	---	---
Zinc	ppm	■ 5	---	---	---
Phosphorus	ppm	■ 1429	---	---	---
Barium	ppm	■ 9	---	---	---
Boron	ppm	■ 336	---	---	---

SUNCOAST DIESEL MARINE

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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. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

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GRAPHS

