

OIL ANALYSIS REPORT

VOLVO PENTA

R825207 VOLVO PENTA 3940019334 - STARBOARD IPS

Sample No: VPA062196
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA062196	---	---	---
Sample Date	20 May 2024	---	---	---
Machine Hours	482	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

Power Products Systems LLC
90 Bay State Road
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US 01880
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OIL CONDITION

Visc @ 40°C	cSt	█ 104	---	---	---
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CONTAMINATION

Water	%	▲ 0.432	---	---	---
Silicon	ppm	█ 33	---	---	---
Sodium	ppm	█ 52	---	---	---
Potassium	ppm	█ <1	---	---	---

WEAR METALS

PQ		█ 36	---	---	---
Iron	ppm	▲ 583	---	---	---
Copper	ppm	█ 29	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	█ 11	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 10	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 10	---	---	---
Magnesium	ppm	█ 8	---	---	---
Zinc	ppm	█ 131	---	---	---
Phosphorus	ppm	█ 1316	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 267	---	---	---

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. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Appearance is hazy. There is a moderate concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP153550
Unique No: 11056424
Signed: Jonathan Hester
Report Date: 31 May 2024

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GRAPHS

