

OIL ANALYSIS REPORT

VOLVO PENTA

3940024691 - STARBOARD IPS

Sample No: VPA058937

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA058937	---	---	---
Sample Date	28 Mar 2024	---	---	---
Machine Hours	315	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 108.3	---	---	---
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CONTAMINATION

Water	%	▲ 1.77	---	---	---
Silicon	ppm	■ 15	---	---	---
Sodium	ppm	■ 192	---	---	---
Potassium	ppm	■ 8	---	---	---

WEAR METALS

Iron	ppm	■ 162	---	---	---
Copper	ppm	■ 11	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	17	---	---	---
Magnesium	ppm	29	---	---	---
Zinc	ppm	63	---	---	---
Phosphorus	ppm	1385	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	336	---	---	---

ADVANCED DIESEL

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US 34104
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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 unacceptable. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VPADVNPAP
Unique No: 10954884
Signed: Doug Bogart
Report Date: 01 Apr 2024

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GRAPHS

