

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3940018835 - STARBOARD IPS

Sample No: VPA055055

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA055055	VPA045109	---	---
Sample Date	23 Aug 2023	14 Feb 2023	---	---
Machine Hours	483	467	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	SEVERE	---	---

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6
SARASOTA, FL
US 34240
Contact: JOSHUA
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OIL CONDITION

Visc @ 40°C	cSt	█ 105.4	█ 112	---	---
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CONTAMINATION

Water	%	<0.05	█ 1.36	---	---
Silicon	ppm	40	22	---	---
Sodium	ppm	█ 2	▲ 130	---	---
Potassium	ppm	█ <1	█ 6	---	---

WEAR METALS

PQ		█ 17	█ 23	---	---
Iron	ppm	█ 180	▲ 283	---	---
Copper	ppm	█ 2	█ 27	---	---
Lead	ppm	15	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	█ 12	---	---
Chromium	ppm	█ 2	█ 2	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ <1	█ 3	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 2	█ 4	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 0	█ 79	---	---
Magnesium	ppm	█ 0	█ 24	---	---
Zinc	ppm	█ 0	█ 111	---	---
Phosphorus	ppm	█ 1521	█ 1333	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 414	█ 154	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP705283
Unique No: 10619273
Signed: Doug Bogart
Report Date: 24 Aug 2023

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GRAPHS

