

OIL ANALYSIS REPORT

**VOLVO
PENTA**

3195001014 - STARBOARD IPS

Sample No: VPA044430

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA044430	VPA040493	---	---
Sample Date	16 Dec 2023	04 Mar 2022	---	---
Machine Hours	2151	1700	---	---
Oil Hours	2151	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

MITCHELL ADELSTEIN

742 ENFIELD ST
BOCA RATON, FL
US 33487

Contact: MITCHELL ADELSTEIN
MITCHELLEDEL@GMAIL.COM

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F:

OIL CONDITION

Visc @ 40°C	cSt	█ 100	█ 107	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	5	3	---	---
Sodium	ppm	█ 8	█ 2	---	---
Potassium	ppm	█ 0	█ 0	---	---

WEAR METALS

PQ		█ 32	█ 23	---	---
Iron	ppm	▲ 299	█ 67	---	---
Copper	ppm	13	11	---	---
Lead	ppm	0	4	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	4	2	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 3	█ 1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 8	█ 4	---	---
Magnesium	ppm	█ 1	█ <1	---	---
Zinc	ppm	█ 38	█ 2	---	---
Phosphorus	ppm	█ 1402	█ 1313	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 237	█ 264	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VPMITBOC

Unique No: 10804802

Signed: Sean Felton

Report Date: 27 Dec 2023

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GRAPHS

