

OIL ANALYSIS REPORT

**VOLVO
PENTA**

NADINE URUIOLI 2300348 VOLVO PENTA 3950004626 - STARBOARD IPS

Sample No: VPA056010

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA056010	---	---	---
Sample Date	13 Jul 2023	---	---	---
Machine Hours	1960	---	---	---
Oil Hours	400	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

Helmut's Marine Service

619 Canal Street
SAN RAFAEL, CA
US 94901-3545
Contact: NADINE URUIOLI
SERVICE@HELMUTSMARINE.COM

T: x:

F: x:

OIL CONDITION

Visc @ 40°C	cSt	95.51	---	---	---
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CONTAMINATION

Silicon	ppm	6	---	---	---
Sodium	ppm	26	---	---	---
Potassium	ppm	5	---	---	---

Diagnosis

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.

WEAR METALS

PQ		39	---	---	---
Iron	ppm	208	---	---	---
Copper	ppm	22	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	11	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	7	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	23	---	---	---
Magnesium	ppm	121	---	---	---
Zinc	ppm	44	---	---	---
Phosphorus	ppm	1420	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	244	---	---	---

Depot: VP152741

Unique No: 10561740

Signed: Doug Bogart

Report Date: 17 Jul 2023

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GRAPHS

