

OIL ANALYSIS REPORT

**VOLVO
PENTA**

20243924 - INBOARD - STARBOARD GEARBOX

Sample No: VPA045619

Oil Type: SAE 40W

SAMPLE INFORMATION

Sample Number	VPA045619	---	---	---
Sample Date	19 Jul 2023	---	---	---
Machine Hours	748	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2
NAPLES, FL
US 34104
Contact: KEITH SPICER
keith_advanceddiesel@yahoo.com
T: (239)580-8731
F:

OIL CONDITION

Visc @ 40°C	cSt	89.1	---	---	---
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CONTAMINATION

Silicon	ppm	8	---	---	---
Sodium	ppm	18	---	---	---
Potassium	ppm	5	---	---	---

WEAR METALS

PQ		29	---	---	---
Iron	ppm	38	---	---	---
Copper	ppm	456	---	---	---
Lead	ppm	17	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	11	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	3158	---	---	---
Magnesium	ppm	61	---	---	---
Zinc	ppm	875	---	---	---
Phosphorus	ppm	892	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	14	---	---	---

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The copper level is abnormal. Clutch disc wear or oil cooler leaching indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VPADVNPAP
Unique No: 10564850
Signed: Jonathan Hester
Report Date: 24 Jul 2023

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GRAPHS

