

OIL ANALYSIS REPORT

VOLVO PENTA

50021882 - INBOARD - STARBOARD GEARBOX

Sample No: VPA045633

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA045633	VPA033191	---	---
Sample Date	20 Jul 2023	06 Apr 2022	---	---
Machine Hours	1971	1816	---	---
Oil Hours	0	100	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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	■ 93.4	■ 92.8	---	---
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CONTAMINATION

Silicon	ppm	■ 5	■ 4	---	---
Sodium	ppm	■ <1	■ <1	---	---
Potassium	ppm	■ 0	■ 0	---	---

WEAR METALS

PQ		■ 11	■ 22	---	---
Iron	ppm	■ 7	■ 6	---	---
Copper	ppm	▲ 207	■ 57	---	---
Lead	ppm	■ 25	■ 19	---	---
Tin	ppm	■ <1	■ 1	---	---
Aluminum	ppm	■ <1	■ 2	---	---
Chromium	ppm	■ 0	■ <1	---	---
Molybdenum	ppm	■ 14	■ 20	---	---
Nickel	ppm	■ <1	0	---	---
Titanium	ppm	■ <1	■ <1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ <1	■ <1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	■ 3094	■ 3103	---	---
Magnesium	ppm	■ 198	■ 222	---	---
Zinc	ppm	■ 1033	■ 1092	---	---
Phosphorus	ppm	■ 942	■ 982	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 45	■ 28	---	---

Diagnosis

Resample at the next service interval to monitor. The copper level is abnormal. All other 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: VPADV NAP
Unique No: 10574558
Signed: Angela Borella
Report Date: 28 Jul 2023

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GRAPHS

