

OIL ANALYSIS REPORT

VOLVO PENTA

50021882 - INBOARD - STARBOARD GEARBOX

Sample No: VPA058945

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA058945	VPA045633	VPA033191	---
Sample Date	25 Mar 2024	20 Jul 2023	06 Apr 2022	---
Machine Hours	0	1971	1816	---
Oil Hours	0	0	100	---
Oil Changed	Not Changd	N/A	N/A	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

ADVANCED DIESEL

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

OIL CONDITION

Visc @ 40°C	cSt	■ 94.3	■ 93.4	■ 92.8	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ 5	■ 5	■ 4	---
Sodium	ppm	■ <1	■ <1	■ <1	---
Potassium	ppm	■ 0	■ 0	■ 0	---

Diagnosis

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.

WEAR METALS

PQ		■ 15	■ 11	■ 22	---
Iron	ppm	■ 3	■ 7	■ 6	---
Copper	ppm	■ 125	▲ 207	■ 57	---
Lead	ppm	■ 13	■ 25	■ 19	---
Tin	ppm	■ 1	■ <1	■ 1	---
Aluminum	ppm	■ 1	■ <1	■ 2	---
Chromium	ppm	■ 0	■ 0	■ <1	---
Molybdenum	ppm	■ 7	■ 14	■ 20	---
Nickel	ppm	■ <1	■ <1	0	---
Titanium	ppm	■ <1	■ <1	■ <1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	■ <1	■ <1	■ <1	---
Vanadium	ppm	0	<1	0	---

ADDITIVES

Calcium	ppm	■ 3271	■ 3094	■ 3103	---
Magnesium	ppm	■ 120	■ 198	■ 222	---
Zinc	ppm	■ 1054	■ 1033	■ 1092	---
Phosphorus	ppm	■ 981	■ 942	■ 982	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 23	■ 45	■ 28	---

Depot: VPADVNP
Unique No: 10943795
Signed: Don Baldrige
Report Date: 29 Mar 2024

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GRAPHS

