

OIL ANALYSIS REPORT

VOLVO PENTA

50021881 - INBOARD - PORT GEARBOX

Sample No: VPA058939

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA058939	VPA056844	VPA033189	---
Sample Date	25 Mar 2024	20 Jul 2023	06 Apr 2022	---
Machine Hours	0	1975	1830	---
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
keith_advanceddiesel@yahoo.com
T: (239)580-8731
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 95.4	█ 88.5	█ 91.5	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	█ 5	█ 5	█ 5	---
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		█ 13	█ 12	21	---
Iron	ppm	█ 3	█ 8	█ 6	---
Copper	ppm	█ 174	▲ 416	█ 162	---
Lead	ppm	█ 14	█ 27	█ 14	---
Tin	ppm	█ 1	█ <1	█ <1	---
Aluminum	ppm	█ 1	█ <1	█ 2	---
Chromium	ppm	█ 0	█ 0	█ <1	---
Molybdenum	ppm	█ 6	█ 9	█ 11	---
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	█ 3330	3355	█ 3178	---
Magnesium	ppm	█ 110	164	█ 221	---
Zinc	ppm	█ 1054	1037	█ 1050	---
Phosphorus	ppm	█ 992	█ 977	█ 958	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 18	29	█ 26	---

Depot: VPADVNP
Unique No: 10943796
Signed: Don Baldrige
Report Date: 29 Mar 2024

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GRAPHS

