

OIL ANALYSIS REPORT

VOLVO PENTA

DEVID MARCH HAPPY PLACE VOLVO PENTA 3950003305 - STARBOARD IPS

Sample No: VPA047921

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA047921	VPA044754	VPA034750	---
Sample Date	16 Jun 2023	30 Nov 2022	12 Nov 2020	---
Machine Hours	534	504	320	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

MARINE DIESEL SERVICES INC

1711 WHITTIER AVE, SUITE B
COSTA MESA, CA
US 92627
Contact: BEN ALMAZAN
marinedieselservices@outlook.com
T: (949)612-8180
F: x:

OIL CONDITION

Visc @ 40°C	cSt	108	108	101	---
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CONTAMINATION

Silicon	ppm	2	2	6	---
Sodium	ppm	2	5	2	---
Potassium	ppm	3	<1	2	---

WEAR METALS

PQ		21	16	21	---
Iron	ppm	8	27	30	---
Copper	ppm	1	3	6	---
Lead	ppm	1	<1	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	2	1	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	1	2	---
Vanadium	ppm	0	<1	0	---

ADDITIVES

Calcium	ppm	4	0	38	---
Magnesium	ppm	6	6	149	---
Zinc	ppm	0	2	5	---
Phosphorus	ppm	1010	1295	1440	---
Barium	ppm	0	0	0	---
Boron	ppm	231	294	404	---

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.

Depot: VP288530
Unique No: 10535174
Signed: Jonathan Hester
Report Date: 30 Jun 2023

OIL ANALYSIS REPORT

GRAPHS

