

OIL ANALYSIS REPORT

VOLVO PENTA

DEVID MARCH HAPPY PLACE VOLVO PENTA 3050003304 - PORT IPS

Sample No: VPA047917

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA047917	VPA044755	VPA034870	---
Sample Date	16 Jun 2023	30 Nov 2022	12 Nov 2020	---
Machine Hours	533	503	320	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 40°C	cSt	107	108	102	---
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CONTAMINATION

Silicon	ppm	2	2	4	---
Sodium	ppm	2	2	1	---
Potassium	ppm	3	<1	1	---

WEAR METALS

PQ		21	22	29	---
Iron	ppm	24	92	114	---
Copper	ppm	<1	2	6	---
Lead	ppm	1	0	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	2	<1	0	---
Chromium	ppm	<1	1	1	---
Molybdenum	ppm	4	<1	<1	---
Nickel	ppm	<1	1	1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	1	2	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	21	0	28	---
Magnesium	ppm	20	5	121	---
Zinc	ppm	8	0	4	---
Phosphorus	ppm	1013	1333	1431	---
Barium	ppm	0	0	0	---
Boron	ppm	232	302	394	---

MARINE DIESEL SERVICES INC

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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: 10535173
Signed: Jonathan Hester
Report Date: 30 Jun 2023

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GRAPHS

