

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3950004670 - STARBOARD IPS

Sample No: VPA059481

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059481	VPA042110	VPA027574	VPA037511
Sample Date	14 Nov 2023	04 Oct 2023	16 May 2022	13 Sep 2021
Machine Hours	1000	999	738	533
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6
SARASOTA, FL
US 34240
Contact: SERVICE MANAGER
info@suncoastdmi.com
T: (941)342-0033
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 116.1	█ 116	█ 105	█ 106
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CONTAMINATION

Silicon	ppm	█ 1	█ 1	█ 2	█ 2
Sodium	ppm	█ 10	█ 5	█ 11	█ 14
Potassium	ppm	█ 0	█ 0	█ 0	█ 1

WEAR METALS

PQ		█ 16	█ 15	█ 21	█ 19
Iron	ppm	█ 18	█ 14	█ 23	█ 27
Copper	ppm	█ 5	█ 3	█ 4	█ 6
Lead	ppm	█ 0	█ 0	█ 0	█ <1
Tin	ppm	█ 0	█ 0	█ 0	█ 0
Aluminum	ppm	█ <1	█ <1	█ 1	█ <1
Chromium	ppm	█ <1	█ <1	█ <1	█ <1
Molybdenum	ppm	█ 0	█ 0	█ <1	█ <1
Nickel	ppm	█ 0	█ <1	█ 0	█ <1
Titanium	ppm	█ <1	█ 0	█ 0	█ 0
Silver	ppm	█ 0	█ 0	█ <1	█ <1
Manganese	ppm	█ <1	█ <1	█ 2	█ 3
Vanadium	ppm	█ <1	█ 0	█ 0	█ 0

ADDITIVES

Calcium	ppm	█ 0	█ 11	█ 11	█ 25
Magnesium	ppm	█ 0	█ 5	█ 14	█ 35
Zinc	ppm	█ 0	█ 1	█ 8	█ 11
Phosphorus	ppm	█ 1211	█ 1318	█ 1377	█ 1319
Barium	ppm	█ 0	█ 0	█ 0	█ 0
Boron	ppm	█ 299	█ 293	█ 304	█ 345

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: VP705283
Unique No: 10742550
Signed: Doug Bogart
Report Date: 15 Nov 2023

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**VOLVO
PENTA**

GRAPHS

