

OIL ANALYSIS REPORT

VOLVO PENTA

PARDO 50 VOLVO PENTA 3950008227 - STARBOARD IPS

Sample No: VPA054461

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA054461	VPA048282	---	---
Sample Date	05 Mar 2024	28 Nov 2022	---	---
Machine Hours	538	289	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G

DAVIE, FL

US 33314

Contact: ASHANTI BURKE

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OIL CONDITION

Visc @ 40°C	cSt	█ 107	█ 94.7	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	4	8	---	---
Sodium	ppm	█ 2	█ 5	---	---
Potassium	ppm	█ 7	█ 16	---	---

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		█ 16	█ 17	---	---
Iron	ppm	█ 44	█ 29	---	---
Copper	ppm	6	7	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ <1	█ 2	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 3	█ 4	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	19	█ 52	---	---
Magnesium	ppm	█ 230	913	---	---
Zinc	ppm	█ 6	█ 10	---	---
Phosphorus	ppm	█ 1307	█ 1589	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 366	█ 569	---	---

Depot: VP694356

Unique No: 10928619

Signed: Don Baldrige

Report Date: 19 Mar 2024

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GRAPHS

