

OIL ANALYSIS REPORT

VOLVO PENTA

RONNIE HOLLIS VOLVO PENTA 3950001880 - STARBOARD IPS

Sample No: VPA045830

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA045830	VPA047069	VPA043377	---
Sample Date	24 Jul 2023	09 Feb 2023	11 Apr 2022	---
Machine Hours	1203	1158	951	---
Oil Hours	100	250	100	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

FLORIDA DETROIT DIESEL - 531006 - 1125774

1128 CHESTNUT AVE

PANAMA CITY, FL

US 32401

Contact: RICHARD ROBERTS

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F:

OIL CONDITION

Visc @ 40°C	cSt	█ 107	█ 104	█ 106	---
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CONTAMINATION

Silicon	ppm	█ 2	█ 2	█ 3	---
Sodium	ppm	█ 6	█ 6	█ 6	---
Potassium	ppm	█ 2	█ 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		█ 24	█ 24	█ 31	---
Iron	ppm	█ 52	█ 69	█ 106	---
Copper	ppm	█ 8	█ 8	█ 11	---
Lead	ppm	█ 0	█ 0	█ <1	---
Tin	ppm	█ <1	█ 0	█ <1	---
Aluminum	ppm	█ 4	█ 2	█ 2	---
Chromium	ppm	█ <1	█ <1	█ <1	---
Molybdenum	ppm	█ 0	█ <1	█ <1	---
Nickel	ppm	█ <1	█ <1	█ <1	---
Titanium	ppm	█ 0	█ 0	█ 0	---
Silver	ppm	█ 0	█ 0	█ <1	---
Manganese	ppm	█ 2	█ 1	█ 3	---
Vanadium	ppm	█ 0	█ 0	█ 0	---

ADDITIVES

Calcium	ppm	█ 6	█ 3	█ 14	---
Magnesium	ppm	█ 6	█ 6	█ 33	---
Zinc	ppm	█ 11	█ 0	█ 16	---
Phosphorus	ppm	█ 1379	█ 1166	█ 1472	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 305	█ 319	█ 328	---

Depot: VPFLOPAN

Unique No: 10602416

Signed: Don Baldrige

Report Date: 14 Aug 2023

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GRAPHS

