

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3200003058 - STARBOARD IPS

Sample No: VPA045480

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA045480	---	---	---
Sample Date	13 Sep 2023	---	---	---
Machine Hours	159	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	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	■ 97.5	---	---	---
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CONTAMINATION

Water	%	■ 0.149	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 8	---	---	---

WEAR METALS

PQ		■ 10	---	---	---
Iron	ppm	■ 25	---	---	---
Copper	ppm	■ 16	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 30	---	---	---
Magnesium	ppm	■ 981	---	---	---
Zinc	ppm	■ 4	---	---	---
Phosphorus	ppm	■ 1610	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 634	---	---	---

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: VP694356

Unique No: 10649447

Signed: Angela Borella

Report Date: 20 Sep 2023

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GRAPHS

