

OIL ANALYSIS REPORT

VOLVO PENTA

PHANTOM OF ART VOLVO PENTA 3950008059 (S/N 3950008060) - STARBOARD IPS

Sample No: VPA062931

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA062931	---	---	---
Sample Date	25 Jun 2024	---	---	---
Machine Hours	237	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 110	---	---	---
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CONTAMINATION

Water	%	▲ 1.82	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	● 205	---	---	---
Potassium	ppm	█ 10	---	---	---

WEAR METALS

PQ		█ 22	---	---	---
Iron	ppm	█ 62	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminium	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 23	---	---	---
Magnesium	ppm	█ 46	---	---	---
Zinc	ppm	█ 103	---	---	---
Phosphorus	ppm	█ 1408	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 204	---	---	---

Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G
DAVIE, FL
US 33314

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Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is unacceptable. There is a high concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The high sodium (Na) level indicates the possible presence of salt water. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP694356

Unique No: 11099757

Signed: Doug Bogart

Report Date: 27 Jun 2024

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GRAPHS

