

OIL ANALYSIS REPORT

VOLVO PENTA

CATALYST VOLVO PENTA 3194003554 - STARBOARD IPS

Sample No: VPA049925

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA049925	---	---	---
Sample Date	14 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 106	---	---	---
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CONTAMINATION

Water	%	■ 0.117	---	---	---
Silicon	ppm	▲ 13	---	---	---
Sodium	ppm	■ 17	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

PQ		■ 20	---	---	---
Iron	ppm	▲ 545	---	---	---
Copper	ppm	■ 45	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	7	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 9	---	---	---
Magnesium	ppm	■ 11	---	---	---
Zinc	ppm	■ 52	---	---	---
Phosphorus	ppm	■ 1333	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 160	---	---	---

Marine International Diesels Inc.

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DAVIE, FL
US 33314
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Diagnosis

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. Iron ppm levels are abnormal. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP694356
Unique No: 10649446
Signed: Angela Borella
Report Date: 20 Sep 2023

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GRAPHS

