

OIL ANALYSIS REPORT

VOLVO PENTA

LOAN SHARK 530456 VOLVO PENTA 3195000808 - STARBOARD IPS

Sample No: VPA041500

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA041500	---	---	---
Sample Date	11 Jul 2023	---	---	---
Machine Hours	3036	---	---	---
Oil Hours	200	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

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

Silicon	ppm	8	---	---	---
Sodium	ppm	█ 94	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

PQ		█ 15	---	---	---
Iron	ppm	● 516	---	---	---
Copper	ppm	17	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	16	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 14	---	---	---
Magnesium	ppm	█ 13	---	---	---
Zinc	ppm	█ 93	---	---	---
Phosphorus	ppm	█ 1236	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 285	---	---	---

Marine International Diesels Inc.

3600 HACIENDA BLVD UNIT G
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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Moderate concentration of visible dirt/debris present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP694356
Unique No: 10561602
Signed: Doug Bogart
Report Date: 18 Jul 2023

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GRAPHS

