

OIL ANALYSIS REPORT

VOLVO PENTA

MCCRARY VOLVO PENTA 3200003389 - STARBOARD IPS

Sample No: VPA060356

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA060356	---	---	---
Sample Date	18 Oct 2023	---	---	---
Machine Hours	345	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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314 LEGION AVE
ANNAPOLIS, MD
US 21401
Contact: Service Manager
FULLKEELMARINESERIVES@GMAIL.COM
T: (410)507-3542
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 90.7	---	---	---
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CONTAMINATION

Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 9	---	---	---
Potassium	ppm	■ 7	---	---	---

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		■ 18	---	---	---
Iron	ppm	■ 70	---	---	---
Copper	ppm	■ 21	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 23	---	---	---
Magnesium	ppm	■ 861	---	---	---
Zinc	ppm	■ 0	---	---	---
Phosphorus	ppm	■ 1592	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 477	---	---	---

Depot: VP1298996
Unique No: 10712126
Signed: Don Baldrige
Report Date: 27 Oct 2023

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GRAPHS

