

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3950006454 - STARBOARD IPS

Sample No: VPA055989

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA055989	---	---	---
Sample Date	16 Apr 2024	---	---	---
Machine Hours	211	---	---	---
Oil Hours	40	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

MARINE DIESEL SERVICES INC

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OIL CONDITION

Visc @ 40°C	cSt	█ 107	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

PQ		█ 17	---	---	---
Iron	ppm	█ 25	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 18	---	---	---
Magnesium	ppm	108	---	---	---
Zinc	ppm	█ 6	---	---	---
Phosphorus	ppm	█ 1485	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 369	---	---	---

Diagnosis

No corrective action is recommended at this time. 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: VP288530

Unique No: 10982392

Signed: Sean Felton

Report Date: 22 Apr 2024

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GRAPHS

