

OIL ANALYSIS REPORT

VOLVO PENTA

DON CARLSON TOM VOLVO PENTA 3940019250 - STARBOARD IPS

Sample No: VPA058237

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA058237	VPA026320	---	---
Sample Date	20 Mar 2024	26 Jun 2020	---	---
Machine Hours	324	198	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

OIL CONDITION

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

Water	%	▲ 0.400	NEG	---	---
Silicon	ppm	█ 12	13	---	---
Sodium	ppm	█ 39	█ 2	---	---
Potassium	ppm	█ 1	█ <1	---	---

WEAR METALS

PQ		█ 18	█ 18	---	---
Iron	ppm	● 229	█ 17	---	---
Copper	ppm	█ 23	2	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	5	<1	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 3	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 6	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 9	█ 12	---	---
Magnesium	ppm	█ 4	█ 5	---	---
Zinc	ppm	█ 49	█ 8	---	---
Phosphorus	ppm	█ 1413	█ 1274	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 249	█ 295	---	---

ADMIRALTY MARINE

2775 KURTZ ST, STE 12

SAN DIEGO, CA

US 92110

Contact: Terry Albee

TALBEE@ADMIRALTYMARINE.NET

T:

F:

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. Gear wear is indicated. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP151529

Unique No: 10940041

Signed: Don Baldrige

Report Date: 25 Mar 2024

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GRAPHS

