

OIL ANALYSIS REPORT

VOLVO PENTA

GRANT LOFTIN 109002214 VOLVO PENTA 3200001560 - STARBOARD IPS

Sample No: VPA050366

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA050366	---	---	---
Sample Date	27 Jun 2024	---	---	---
Machine Hours	915	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

WESTERN BRANCH DIESEL
400 SENSATION WEIGH
BEAUFORT, NC
US 28516
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OIL CONDITION

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

Water	%	NEG	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 23	---	---	---
Potassium	ppm	█ 7	---	---	---

WEAR METALS

PQ		█ 28	---	---	---
Iron	ppm	▲ 335	---	---	---
Copper	ppm	█ 25	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 13	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 20	---	---	---
Magnesium	ppm	█ 14	---	---	---
Zinc	ppm	█ 127	---	---	---
Phosphorus	ppm	█ 1487	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 254	---	---	---

Diagnosis

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. High wear metal levels reflect the reported failure. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP141534
Unique No: 11101974
Signed: Jonathan Hester
Report Date: 01 Jul 2024

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GRAPHS

