

OIL ANALYSIS REPORT



LARRY COHEN 503032 VOLVO PENTA 3100002966 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA058309

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA058309	---	---	---
Sample Date	12 Mar 2024	---	---	---
Machine Hours	168	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

North Harbor Diesel Inc
720 30Th Street
ANACORTES, WA
US 98221
Contact: ED MCFARLIN
ed@northharbordiesel.com
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 105	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 14	---	---	---
Potassium	ppm	■ 7	---	---	---

WEAR METALS

PQ		■ 30	---	---	---
Iron	ppm	● 223	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminium	ppm	■ 3	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 6	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 8	---	---	---
Magnesium	ppm	75	---	---	---
Zinc	ppm	■ 17	---	---	---
Phosphorus	ppm	■ 1145	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 219	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other 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: VP179089
Unique No: 10938145
Signed: Don Baldrige
Report Date: 22 Mar 2024

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GRAPHS

