

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3020315006 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA051959

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA051959	---	---	---
Sample Date	15 Nov 2023	---	---	---
Machine Hours	649	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

North Harbor Diesel Inc

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T: (360)299-1904
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 99.0	---	---	---
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CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 10	---	---	---

WEAR METALS

PQ		■ 13	---	---	---
Iron	ppm	■ 42	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 11	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 15	---	---	---
Magnesium	ppm	■ 932	---	---	---
Zinc	ppm	■ 8	---	---	---
Phosphorus	ppm	■ 1590	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 570	---	---	---

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.

Depot: VP179089
Unique No: 10755889
Signed: Sean Felton
Report Date: 28 Nov 2023

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GRAPHS

