

OIL ANALYSIS REPORT



TODD LARSON 1610088 ZF 3020298670 - INBOARD - CENTER GEARBOX

Sample No: VPA054926

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA054926	---	---	---
Sample Date	16 Apr 2024	---	---	---
Machine Hours	315	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Pacific Power Group - VP981534

7215 S 228th St

Kent, WA

US 98032

Contact: PAT RYAN

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F:

OIL CONDITION

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

Water	%	NEG	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 13	---	---	---
Potassium	ppm	█ 1	---	---	---

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.

WEAR METALS

PQ		█ 16	---	---	---
Iron	ppm	█ 40	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 0	---	---	---
Magnesium	ppm	█ 54	---	---	---
Zinc	ppm	█ 8	---	---	---
Phosphorus	ppm	█ 1413	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 347	---	---	---

Depot: VP99031103

Unique No: 10994831

Signed: Jonathan Hester

Report Date: 26 Apr 2024

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VOLVO PENTA

GRAPHS

