

# OIL ANALYSIS REPORT



**LEIF ORMSETH 7719373 VOLVO PENTA 3100008040 - STERNDRIVE - CENTER GEARBOX**

**Sample No:** VPA054312  
**Oil Type:** GEAR OIL SAE 75W90

## SAMPLE INFORMATION

Sample Number	<b>VPA054312</b>	VPA049714	VPA055483	---
Sample Date	<b>25 Mar 2024</b>	22 Aug 2023	18 Jul 2023	---
Machine Hours	<b>300</b>	197	157	---
Oil Hours	<b>30</b>	40	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>ABNORMAL</b>	NORMAL	ATTENTION	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>88.3</b>	101	84.1	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>▲ 29</b>	5	4	---
Sodium	ppm	<b>5</b>	11	8	---
Potassium	ppm	<b>7</b>	6	14	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

## WEAR METALS

PQ		<b>15</b>	22	24	---
Iron	ppm	<b>83</b>	89	164	---
Copper	ppm	<b>&lt;1</b>	<1	2	---
Lead	ppm	<b>0</b>	<1	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>&lt;1</b>	0	2	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>5</b>	0	0	---
Nickel	ppm	<b>&lt;1</b>	<1	<1	---
Titanium	ppm	<b>0</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>3</b>	4	6	---
Vanadium	ppm	<b>&lt;1</b>	<1	<1	---

## ADDITIVES

Calcium	ppm	<b>30</b>	0	10	---
Magnesium	ppm	<b>59</b>	80	804	---
Zinc	ppm	<b>20</b>	0	10	---
Phosphorus	ppm	<b>1402</b>	1457	1500	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>520</b>	465	450	---

**Depot:** VP99031103  
**Unique No:** 10956444  
**Signed:** Sean Felton  
**Report Date:** 05 Apr 2024

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**VOLVO  
PENTA**

## GRAPHS

