

OIL ANALYSIS REPORT

VOLVO PENTA

MATTHEW SHARPE SAM VOLVO PENTA 3020305905 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA059274
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059274	VPA037058	---	---
Sample Date	20 Mar 2024	19 Nov 2021	---	---
Machine Hours	442	334	---	---
Oil Hours	45	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 107	█ 91.6	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 3	█ 6	---	---
Sodium	ppm	█ 2	█ <1	---	---
Potassium	ppm	█ 2	█ 0	---	---

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		█ 13	█ 18	---	---
Iron	ppm	█ 4	█ 8	---	---
Copper	ppm	█ <1	█ <1	---	---
Lead	ppm	█ 0	█ 1	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ 0	<1	---	---
Molybdenum	ppm	█ 0	█ 4	---	---
Nickel	ppm	█ <1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 3	█ 37	---	---
Magnesium	ppm	█ 3	█ 38	---	---
Zinc	ppm	█ 0	█ 20	---	---
Phosphorus	ppm	█ 1479	█ 762	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 315	█ 98	---	---

Depot: VP794951
Unique No: 10942296
Signed: Don Baldrige
Report Date: 27 Mar 2024

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GRAPHS

