

OIL ANALYSIS REPORT

VOLVO PENTA

DENNIS MADSEN SAM VOLVO PENTA 3940013987 - STARBOARD IPS

Sample No: VPA060090

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA060090	VPA047480	---	---
Sample Date	27 Feb 2024	14 Mar 2022	---	---
Machine Hours	1254	1015	---	---
Oil Hours	105	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

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

Water	%	NEG	NEG	---	---
Silicon	ppm	9	15	---	---
Sodium	ppm	4	2	---	---
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		15	23	---	---
Iron	ppm	47	73	---	---
Copper	ppm	4	4	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	4	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	1	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	2	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	0	18	---	---
Magnesium	ppm	29	5	---	---
Zinc	ppm	17	9	---	---
Phosphorus	ppm	1310	1400	---	---
Barium	ppm	0	0	---	---
Boron	ppm	342	321	---	---

Depot: VP794951
Unique No: 10911248
Signed: Sean Felton
Report Date: 06 Mar 2024

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GRAPHS

