

OIL ANALYSIS REPORT

VOLVO PENTA

EVAN LIN DANIEL/502923 VOLVO PENTA 3200000151 - STARBOARD IPS

Sample No: VPA053014

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA053014	VPA045706	VPA035143	---
Sample Date	17 Apr 2024	24 May 2023	13 Jan 2022	---
Machine Hours	287	249	185	---
Oil Hours	0	0	185	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	107	103	87.5	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	1	2	4	---
Sodium	ppm	4	0	3	---
Potassium	ppm	1	2	3	---

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	14	26	---
Iron	ppm	11	23	48	---
Copper	ppm	3	8	21	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	<1	3	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	3	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	0	5	21	---
Magnesium	ppm	0	177	910	---
Zinc	ppm	0	6	8	---
Phosphorus	ppm	1377	1384	1541	---
Barium	ppm	0	2	0	---
Boron	ppm	352	366	500	---

Depot: VP794951
Unique No: 11022345
Signed: Sean Felton
Report Date: 14 May 2024

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GRAPHS

