

OIL ANALYSIS REPORT

VOLVO PENTA

ED OELTJEN DANIEL/502899 VOLVO PENTA A461536 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA061868

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA061868	VPA048973	---	---
Sample Date	15 Apr 2024	29 Mar 2022	---	---
Machine Hours	723	615	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	SEVERE	---	---

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OIL CONDITION

Visc @ 40°C	cSt	107	104	---	---
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CONTAMINATION

Water	%	NEG	1.46	---	---
Silicon	ppm	2	3	---	---
Sodium	ppm	3	30	---	---
Potassium	ppm	1	<1	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. 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		27	18	---	---
Iron	ppm	49	545	---	---
Copper	ppm	1	2	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	5	24	---	---
Chromium	ppm	1	6	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	6	8	---	---
Titanium	ppm	<1	1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	2	5	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	2	8	---	---
Magnesium	ppm	<1	4	---	---
Zinc	ppm	<1	9	---	---
Phosphorus	ppm	1359	1355	---	---
Barium	ppm	0	0	---	---
Boron	ppm	341	312	---	---

Depot: VP794951
Unique No: 10990212
Signed: Don Baldrige
Report Date: 23 Apr 2024

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GRAPHS

