

OIL ANALYSIS REPORT

VOLVO PENTA

DAVID KIDDER NEVER VOLVO PENTA 3940026786 - STARBOARD IPS

Sample No: VPA036166

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA036166	VPA028572	---	---
Sample Date	19 Mar 2024	15 Feb 2021	---	---
Machine Hours	0	438	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	107	108	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	21	8	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	1	16	---	---

WEAR METALS

PQ		20	22	---	---
Iron	ppm	39	22	---	---
Copper	ppm	5	2	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	1	4	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	20	10	---	---
Magnesium	ppm	6	33	---	---
Zinc	ppm	14	6	---	---
Phosphorus	ppm	1177	1213	---	---
Barium	ppm	0	0	---	---
Boron	ppm	293	276	---	---

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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.

Depot: VP288530
Unique No: 10938133
Signed: Don Baldrige
Report Date: 22 Mar 2024

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GRAPHS

