

OIL ANALYSIS REPORT



YOLO 3782/1/30/3071 20030334 - INBOARD - CENTER GEARBOX

Sample No: VPA056904
Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA056904	VPA044152	VPA025334	---
Sample Date	02 Nov 2023	12 Oct 2022	13 Dec 2021	---
Machine Hours	1212	15	2075	---
Oil Hours	320	0	0	---
Oil Changed	Changed	N/A	Not Changd	---
Sample Status	SEVERE	SEVERE	SEVERE	---

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OIL CONDITION

Visc @ 40°C	cSt	74.6	76.31	66.4	---
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CONTAMINATION

Water	%	NEG	▲ 0.213	NEG	---
Silicon	ppm	13	13	▲ 32	---
Sodium	ppm	104	57	14	---
Potassium	ppm	5	3	0	---

Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Clutch wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

WEAR METALS

PQ		23	43	254	---
Iron	ppm	42	▲ 132	531	---
Copper	ppm	383	325	788	---
Lead	ppm	▲ 58	▲ 23	149	---
Tin	ppm	▲ 14	▲ 11	52	---
Aluminum	ppm	3	4	73	---
Chromium	ppm	0	<1	2	---
Molybdenum	ppm	90	97	47	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	<1	<1	---
Manganese	ppm	<1	1	8	---
Vanadium	ppm	0	0	<1	---

ADDITIVES

Calcium	ppm	2232	2337	2873	---
Magnesium	ppm	44	23	53	---
Zinc	ppm	841	820	737	---
Phosphorus	ppm	854	932	824	---
Barium	ppm	0	0	0	---
Boron	ppm	32	8	322	---

Depot: VP592286
Unique No: 10751875
Signed: Jonathan Hester
Report Date: 22 Nov 2023

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VOLVO PENTA

GRAPHS

