

OIL ANALYSIS REPORT

VOLVO PENTA

DAVID BOVEE SAM ZF 20075810 - INBOARD - PORT GEARBOX

Sample No: VPA059093

Oil Type: CHEVRON DELO 400 SAE 30

SAMPLE INFORMATION

Sample Number	VPA059093	VPA044976	---	---
Sample Date	05 Feb 2024	21 Dec 2022	---	---
Machine Hours	1085	991	---	---
Oil Hours	95	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	88.0	89.4	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	7	7	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	0	1	---	---

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		12	10	---	---
Iron	ppm	6	5	---	---
Copper	ppm	32	32	---	---
Lead	ppm	4	4	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	51	57	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	3362	3563	---	---
Magnesium	ppm	37	45	---	---
Zinc	ppm	1134	1192	---	---
Phosphorus	ppm	1030	1052	---	---
Barium	ppm	0	0	---	---
Boron	ppm	523	397	---	---

Depot: VP794951
Unique No: 10872961
Signed: Jonathan Hester
Report Date: 13 Feb 2024

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GRAPHS

