

OIL ANALYSIS REPORT

VOLVO PENTA

DARYL PERFEERST SAM ZF 20052584 - INBOARD - PORT GEARBOX

Sample No: VPA053113

Oil Type: CHEVRON DELO 400 SAE 30

SAMPLE INFORMATION

Sample Number	VPA053113	VPA035144	VPA025670	---
Sample Date	19 Apr 2024	13 Jan 2022	04 Sep 2020	---
Machine Hours	645	531	0	---
Oil Hours	114	0	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	88.0	83.0	81.9	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	8	4	6	---
Sodium	ppm	<1	1	<1	---
Potassium	ppm	0	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		27	20	24	---
Iron	ppm	16	20	23	---
Copper	ppm	107	266	252	---
Lead	ppm	7	28	26	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	6	18	25	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	37	2	3	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	1	2	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	3374	2182	2535	---
Magnesium	ppm	17	14	15	---
Zinc	ppm	1164	945	1067	---
Phosphorus	ppm	1050	800	910	---
Barium	ppm	0	0	0	---
Boron	ppm	379	9	14	---

Depot: VP794951
Unique No: 10994837
Signed: Jonathan Hester
Report Date: 26 Apr 2024

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GRAPHS

