

OIL ANALYSIS REPORT

VOLVO PENTA

DEAN FALCONER 7716390 ZF 20038019 - INBOARD - STARBOARD GEARBOX

Sample No: VPA042684

Oil Type: CHEVRON DELO 400 SAE 30

SAMPLE INFORMATION

Sample Number	VPA042684	VPA045395	VPA032371	---
Sample Date	10 Aug 2023	02 Aug 2022	24 Feb 2021	---
Machine Hours	5282	5188	5040	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	ATTENTION	SEVERE	---

Pacific Power Group - VP981534

7215 S 228th St

Kent, WA

US 98032

Contact: PAT RYAN

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F:

OIL CONDITION

Visc @ 40°C	cSt	88.9	86.9	83.9	---
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CONTAMINATION

Silicon	ppm	9	8	8	---
Sodium	ppm	1	<1	2	---
Potassium	ppm	0	0	0	---

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	17	17	---
Iron	ppm	8	7	10	---
Copper	ppm	35	30	72	---
Lead	ppm	30	▲ 75	● 204	---
Tin	ppm	2	2	0	---
Aluminum	ppm	<1	1	3	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	45	51	55	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	7	<1	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	1	---

ADDITIVES

Calcium	ppm	3527	3505	3757	---
Magnesium	ppm	13	22	9	---
Zinc	ppm	1130	1179	1275	---
Phosphorus	ppm	966	982	1043	---
Barium	ppm	0	<1	0	---
Boron	ppm	499	510	364	---

Depot: VP99031103

Unique No: 10604460

Signed: Jonathan Hester

Report Date: 16 Aug 2023

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GRAPHS

