

OIL ANALYSIS REPORT

VOLVO PENTA

DEAN FALCONER 7720272 ZF 20038019 - INBOARD - STARBOARD GEARBOX

Sample No: VPA062985

Oil Type: CHEVRON DELO 400 SAE 30

SAMPLE INFORMATION

Sample Number	VPA062985	VPA042684	VPA045395	VPA032371
Sample Date	04 Jun 2024	10 Aug 2023	02 Aug 2022	24 Feb 2021
Machine Hours	5382	5282	5188	5040
Oil Hours	140	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	SEVERE

Pacific Power Group - VP981534

7215 S 228th St

Kent, WA

US 98032

Contact: PAT RYAN

pryan@pacificpowergroup.com

T: (253)520-5163

F:

OIL CONDITION

Visc @ 40°C	cSt	■ 88.2	■ 88.9	■ 86.9	■ 83.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 6	■ 9	■ 8	■ 8
Sodium	ppm	■ 2	■ 1	■ <1	■ 2
Potassium	ppm	■ 0	■ 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		■ 16	■ 12	■ 17	■ 17
Iron	ppm	■ 4	■ 8	■ 7	■ 10
Copper	ppm	■ 45	■ 35	■ 30	■ 72
Lead	ppm	■ 34	■ 30	● 75	▲ 204
Tin	ppm	■ 0	■ 2	■ 2	■ 0
Aluminum	ppm	■ 0	■ <1	■ 1	■ 3
Chromium	ppm	■ <1	■ 0	<1	<1
Molybdenum	ppm	■ 48	■ 45	■ 51	■ 55
Nickel	ppm	■ 0	■ 0	<1	<1
Titanium	ppm	0	0	0	■ <1
Silver	ppm	0	7	<1	0
Manganese	ppm	■ 0	■ <1	■ <1	■ <1
Vanadium	ppm	0	0	0	1

ADDITIVES

Calcium	ppm	■ 3736	■ 3527	■ 3505	■ 3757
Magnesium	ppm	13	■ 13	■ 22	■ 9
Zinc	ppm	■ 1154	■ 1130	■ 1179	■ 1275
Phosphorus	ppm	■ 1074	■ 966	■ 982	■ 1043
Barium	ppm	■ 0	■ 0	■ <1	■ 0
Boron	ppm	■ 569	■ 499	■ 510	■ 364

Depot: VP99031103

Unique No: 11076827

Signed: Don Baldrige

Report Date: 17 Jun 2024

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GRAPHS

