

OIL ANALYSIS REPORT

VOLVO PENTA

TIM BOWE ANDREW VOLVO PENTA 3950002814 - PORT IPS

Sample No: VPA050690

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA050690	VPA042087	VPA040548	VPA038254
Sample Date	30 Oct 2023	24 Mar 2023	09 Dec 2021	02 Aug 2021
Machine Hours	911	729	0	340
Oil Hours	0	156	200	180
Oil Changed	Changed	Not Changd	Changed	N/A
Sample Status	NORMAL	SEVERE	ATTENTION	NORMAL

GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

Contact: ROBERT ANTONA

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F:

OIL CONDITION

Visc @ 40°C	cSt	101	104	104	104
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CONTAMINATION

Water	%	---	▲ 0.273	---	---
Silicon	ppm	5	15	11	6
Sodium	ppm	3	48	41	15
Potassium	ppm	3	3	2	3

WEAR METALS

PQ		21	80	16	24
Iron	ppm	92	896	280	141
Copper	ppm	8	34	20	10
Lead	ppm	0	6	3	1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	9	3	0
Chromium	ppm	<1	4	2	1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	4	2	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	5	11	6	5
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	37	25	21	89
Magnesium	ppm	79	63	95	126
Zinc	ppm	23	137	116	86
Phosphorus	ppm	1351	1436	1514	1449
Barium	ppm	0	0	0	0
Boron	ppm	242	193	92	228

Diagnosis

Oil and filter change at the time of sampling has been noted. 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.

Depot: VP531377

Unique No: 10727726

Signed: Angela Borella

Report Date: 07 Nov 2023

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GRAPHS

