

OIL ANALYSIS REPORT



BRIAN FINN PB5519 VOLVO PENTA 3950002843 - PORT IPS

Sample No: VPA034276
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA034276	VPA051828	VPA041396	VPA041384
Sample Date	12 Mar 2024	24 Sep 2023	22 Mar 2023	20 Jan 2023
Machine Hours	1550	1342	1200	1148
Oil Hours	150	150	50	10
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	ATTENTION	ATTENTION	NORMAL	NORMAL

GRAND BANKS
 450 SW SALEM RD
 STUART, FL
 US 34994
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OIL CONDITION

Visc @ 40°C	cSt	103	103	106	106
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	2	2
Sodium	ppm	10	21	6	6
Potassium	ppm	1	<1	2	<1

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other 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		23	15	14	12
Iron	ppm	236	277	114	75
Copper	ppm	12	21	8	5
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	4	7	2	2
Chromium	ppm	2	2	<1	<1
Molybdenum	ppm	0	2	<1	<1
Nickel	ppm	1	1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	2	4	2	1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	69	30	9	9
Magnesium	ppm	7	6	6	4
Zinc	ppm	34	18	13	13
Phosphorus	ppm	1390	1351	1348	1210
Barium	ppm	0	0	0	3
Boron	ppm	266	295	332	266

Depot: VP531377
Unique No: 10929215
Signed: Don Baldrige
Report Date: 19 Mar 2024

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**VOLVO
PENTA**

GRAPHS

