

OIL ANALYSIS REPORT



BRIAN FINN PB55 19 VOLVO PENTA 3950002844 - STARBOARD IPS

Sample No: VPA034282
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA034282	VPA051931	VPA041404	VPA041392
Sample Date	12 Mar 2024	21 Sep 2023	22 Mar 2023	20 Jan 2023
Machine Hours	1520	1338	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	104	104	104	106
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	3	1
Sodium	ppm	20	26	1	3
Potassium	ppm	1	0	1	<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		18	23	14	14
Iron	ppm	275	219	55	43
Copper	ppm	12	16	5	3
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	7	6	1	1
Chromium	ppm	2	2	<1	<1
Molybdenum	ppm	<1	1	<1	<1
Nickel	ppm	1	1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	2	4	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	10	12	8	9
Magnesium	ppm	7	8	4	3
Zinc	ppm	32	11	8	10
Phosphorus	ppm	1440	1470	1356	1306
Barium	ppm	0	0	0	2
Boron	ppm	306	359	338	293

Depot: VP531377
Unique No: 10929216
Signed: Don Baldrige
Report Date: 19 Mar 2024

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**VOLVO
PENTA**

GRAPHS

