

OIL ANALYSIS REPORT



WASSERSON VOLVO PENTA 3950001247 - STARBOARD IPS

Sample No: VPA055183
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA055183	VPA028878	VPA020933	VPA012286
Sample Date	27 Aug 2023	16 May 2021	17 Nov 2019	11 May 2019
Machine Hours	0	0	605	485
Oil Hours	0	100	0	70
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Outstanding Marine
 PO Box 274
 GALENA, MD
 US 21635
 Contact: Ronda Bolinger
 rlwb@verizon.net
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	107	103	99.7	100
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CONTAMINATION

Silicon	ppm	6	3	6	6
Sodium	ppm	2	2	3	3
Potassium	ppm	3	<1	<1	0

WEAR METALS

PQ		18	24	39	42
Iron	ppm	32	45	153	106
Copper	ppm	10	7	12	9
Lead	ppm	<1	0	3	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	1	<1	5	4
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	5	1	4	2
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	32	55	7	12
Magnesium	ppm	113	11	39	46
Zinc	ppm	11	25	8	6
Phosphorus	ppm	1442	1308	1284	1256
Barium	ppm	0	0	0	0
Boron	ppm	326	302	270	288

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.

Depot: VP153685
Unique No: 10621683
Signed: Don Baldrige
Report Date: 29 Aug 2023

OIL ANALYSIS REPORT

**VOLVO
PENTA**

GRAPHS

