

OIL ANALYSIS REPORT



WASSERSON VOLVO PENTA 3950001248 - PORT IPS

Sample No: VPA055719

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA055719	VPA028879	VPA020934	VPA012303
Sample Date	27 Aug 2023	17 May 2021	17 Nov 2019	19 Mar 2019
Machine Hours	0	0	604	483
Oil Hours	0	100	0	80
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

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

OIL CONDITION

Visc @ 40°C	cSt	103	105.0	99.7	101.4
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CONTAMINATION

Silicon	ppm	6	1	4	4
Sodium	ppm	3	3	9	7
Potassium	ppm	6	2	2	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		21	47	35	18
Iron	ppm	42	58	316	174
Copper	ppm	9	6	23	14
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	2	4	2
Chromium	ppm	<1	<1	2	1
Molybdenum	ppm	3	<1	0	<1
Nickel	ppm	0	<1	1	1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	2	<1	0
Manganese	ppm	6	2	5	2
Vanadium	ppm	<1	0	<1	<1

ADDITIVES

Calcium	ppm	100	57	12	13
Magnesium	ppm	294	43	71	63
Zinc	ppm	74	41	52	15
Phosphorus	ppm	1480	1327	1266	1316
Barium	ppm	0	0	<1	<1
Boron	ppm	353	321	136	112

Depot: VP153685
Unique No: 10621684
Signed: Don Baldrige
Report Date: 29 Aug 2023

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**VOLVO
PENTA**

GRAPHS

