

OIL ANALYSIS REPORT



VOLVO PENTA 3940014847 - STARBOARD IPS

Sample No: VPA044949
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA044949	VPA045273	VPA041651	VPA030288
Sample Date	31 Jul 2023	03 Apr 2023	13 Sep 2022	24 Jan 2020
Machine Hours	868	848	819	462
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Not Changd
Sample Status	NORMAL	SEVERE	ABNORMAL	ATTENTION

SUNCOAST DIESEL MARINE
 6341 PORTER ROAD, SUITE 6
 SARASOTA, FL
 US 34240
 Contact: SERVICE MANAGER
 info@suncoastdmi.com
 T: (941)342-0033
 F:

OIL CONDITION

Visc @ 40°C	cSt	104.0	104	104	102.6
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CONTAMINATION

Water	%	---	▲ 0.277	▲ 0.351	---
Silicon	ppm	9	20	19	32
Sodium	ppm	10	57	35	12
Potassium	ppm	1	2	0	0

WEAR METALS

PQ		20	34	29	20
Iron	ppm	62	519	395	304
Copper	ppm	9	39	33	27
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	11	11	10	5
Chromium	ppm	<1	3	3	2
Molybdenum	ppm	2	<1	<1	0
Nickel	ppm	<1	5	3	3
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	1	6	4	5
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	29	11	10	9
Magnesium	ppm	27	22	11	3
Zinc	ppm	52	26	16	38
Phosphorus	ppm	1472	1239	1261	1257
Barium	ppm	16	0	<1	<1
Boron	ppm	302	256	311	158

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP705283
Unique No: 10586904
Signed: Doug Bogart
Report Date: 04 Aug 2023

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VOLVO PENTA

GRAPHS

