

OIL ANALYSIS REPORT



VOLVO PENTA 3940014847 - STARBOARD IPS

Sample No: VPA036265
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA036265	VPA044949	VPA045273	VPA041651
Sample Date	29 Nov 2023	31 Jul 2023	03 Apr 2023	13 Sep 2022
Machine Hours	880	868	848	819
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	NORMAL	NORMAL	SEVERE	ABNORMAL

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	103.4	104.0	104	104
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CONTAMINATION

Water	%	NEG	NEG	▲ 0.277	▲ 0.351
Silicon	ppm	14	9	20	19
Sodium	ppm	11	10	57	35
Potassium	ppm	0	1	2	0

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.

WEAR METALS

PQ		22	20	34	29
Iron	ppm	76	62	519	395
Copper	ppm	13	9	39	33
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	10	11	11	10
Chromium	ppm	<1	<1	3	3
Molybdenum	ppm	1	2	<1	<1
Nickel	ppm	<1	<1	5	3
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	1	1	6	4
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	30	29	11	10
Magnesium	ppm	23	27	22	11
Zinc	ppm	66	52	26	16
Phosphorus	ppm	1536	1472	1239	1261
Barium	ppm	18	16	0	<1
Boron	ppm	278	302	256	311

Depot: VP705283
Unique No: 10766427
Signed: Doug Bogart
Report Date: 30 Nov 2023

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VOLVO PENTA

GRAPHS

