

OIL ANALYSIS REPORT



VOLVO PENTA 3940025571 - STARBOARD IPS

Sample No: VPA053137
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA053137	VPA036550	VPA048221	VPA040464
Sample Date	09 Jul 2024	29 Aug 2023	10 May 2022	05 Nov 2021
Machine Hours	869	768	582	454
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Not Changd
Sample Status	NORMAL	ABNORMAL	SEVERE	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	105.7	118.0	109	107
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CONTAMINATION

Water	%	0.172	0.220	1.46	NEG
Silicon	ppm	14	24	20	16
Sodium	ppm	6	25	170	13
Potassium	ppm	1	2	8	<1

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. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		18	20	36	34
Iron	ppm	129	269	359	265
Copper	ppm	13	26	26	17
Lead	ppm	<1	<1	2	<1
Tin	ppm	<1	0	1	<1
Aluminum	ppm	3	12	6	2
Chromium	ppm	1	2	3	2
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	2	3	6	3
Titanium	ppm	<1	0	<1	0
Silver	ppm	<1	0	1	<1
Manganese	ppm	2	4	6	4
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	5	10	21	8
Magnesium	ppm	2	6	50	22
Zinc	ppm	18	43	18	6
Phosphorus	ppm	1147	1267	1381	1325
Barium	ppm	4	17	0	0
Boron	ppm	305	253	300	270

Depot: VP705283
Unique No: 11116239
Signed: Doug Bogart
Report Date: 10 Jul 2024

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VOLVO PENTA

GRAPHS

