

OIL ANALYSIS REPORT



VOLVO PENTA 3940014846 - PORT IPS

Sample No: VPA036274
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA036274	VPA048697	VPA045274	VPA041657
Sample Date	29 Nov 2023	31 Jul 2023	03 Apr 2023	13 Sep 2022
Machine Hours	886	462	852	823
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	106.2	106.9	102	103
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CONTAMINATION

Water	%	NEG	NEG	▲ 0.404	▲ 0.309
Silicon	ppm	11	8	19	18
Sodium	ppm	11	10	56	29
Potassium	ppm	0	<1	1	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		27	17	19	16
Iron	ppm	28	13	503	389
Copper	ppm	10	4	37	33
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	6	6	6	5
Chromium	ppm	0	<1	3	3
Molybdenum	ppm	0	0	1	1
Nickel	ppm	0	<1	4	3
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	5	4
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	9	6	19	19
Magnesium	ppm	2	4	28	10
Zinc	ppm	22	5	38	19
Phosphorus	ppm	1500	1431	1244	1265
Barium	ppm	11	10	0	<1
Boron	ppm	295	325	232	282

Depot: VP705283
Unique No: 10766426
Signed: Doug Bogart
Report Date: 30 Nov 2023

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GRAPHS

