

OIL ANALYSIS REPORT



RUSSELL RUSSELL VOLVO PENTA 3950003081 - PORT IPS

Sample No: VPA058246

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA058246	VPA037953	VPA025475	VPA027643
Sample Date	28 Jun 2024	27 Jan 2022	28 Sep 2020	02 Jun 2020
Machine Hours	928	473	347	312
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL

Suncoast Diesel Marine Inc.

610 Mount Vernan St

OLDSMAR, FL

US 34677

Contact: MARK WARREN

oldsmar@suncoastdmi.com

T: (813)475-5942

F: (813)475-5943

OIL CONDITION

Visc @ 40°C	cSt	103	106	101	102
-------------	-----	------------	-----	-----	-----

CONTAMINATION

Water	%	0.520	NEG	0.240	0.194
Silicon	ppm	6	3	2	2
Sodium	ppm	67	20	6	2
Potassium	ppm	6	1	14	<1

WEAR METALS

PQ		25	26	27	23
Iron	ppm	476	125	37	20
Copper	ppm	30	20	5	2
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	27	5	1	<1
Chromium	ppm	5	1	<1	<1
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	7	1	<1	<1
Titanium	ppm	1	0	0	0
Silver	ppm	<1	<1	<1	0
Manganese	ppm	6	66	2	1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	6	17	11	5
Magnesium	ppm	15	66	20	14
Zinc	ppm	231	82	8	4
Phosphorus	ppm	1365	1346	1291	1263
Barium	ppm	0	0	0	0
Boron	ppm	248	295	293	295

Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP945077

Unique No: 11112811

Signed: Jonathan Hester

Report Date: 09 Jul 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

