

OIL ANALYSIS REPORT



DAVE BREEN 505825 VOLVO PENTA 3940022027 - PORT IPS

Sample No: VPA059417
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059417	VPA042457	VPA035455	VPA032340
Sample Date	19 Dec 2023	08 Feb 2023	06 Jan 2022	01 Mar 2021
Machine Hours	278	224	193	156
Oil Hours	54	31	50	7
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Jefferson Beach Yacht Sales Inc
 24400 Jefferson Ave.
 SAINT CLAIR SHORES, MI
 US 48080
 Contact: DENNIS BUTT
 dbutt@jbys.com
 T: (866)490-5297
 F:

OIL CONDITION

Visc @ 40°C	cSt	109	110	109	105
-------------	-----	------------	-----	-----	-----

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	4	8	4
Sodium	ppm	0	1	0	1
Potassium	ppm	0	0	0	<1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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		13	13	22	17
Iron	ppm	41	30	24	42
Copper	ppm	3	3	3	5
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	1	<1	<1	1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	8	3	24	7
Magnesium	ppm	1	1	2	18
Zinc	ppm	<1	5	12	<1
Phosphorus	ppm	1529	1315	1305	1405
Barium	ppm	0	<1	0	0
Boron	ppm	310	335	286	329

Depot: VP297371
Unique No: 10805833
Signed: Sean Felton
Report Date: 28 Dec 2023

OIL ANALYSIS REPORT

**VOLVO
PENTA**

GRAPHS

