

OIL ANALYSIS REPORT



TYLER LOWELL 505831 VOLVO PENTA 3940020929 - PORT IPS

Sample No: VPA062103
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA062103	VPA044747	VPA042221	VPA032860
Sample Date	27 Mar 2024	08 Feb 2023	25 Aug 2022	11 Mar 2021
Machine Hours	855	688	625	437
Oil Hours	167	100	100	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

Jefferson Beach Yacht Sales Inc
 24400 Jefferson Ave.
 SAINT CLAIR SHORES, MI
 US 48080
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OIL CONDITION

Visc @ 40°C	cSt	104	108	110	84.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	10	7	6	17
Sodium	ppm	<1	<1	0	3
Potassium	ppm	2	0	0	3

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

WEAR METALS

PQ		37	48	18	31
Iron	ppm	175	98	82	272
Copper	ppm	18	8	4	33
Lead	ppm	<1	0	0	<1
Tin	ppm	1	0	1	0
Aluminum	ppm	3	1	3	4
Chromium	ppm	2	1	<1	3
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	3	<1	1	3
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	3	2	2	11
Vanadium	ppm	<1	0	0	<1

Diagnosis

ADDITIVES

Calcium	ppm	16	13	14	19
Magnesium	ppm	11	15	14	718
Zinc	ppm	10	6	7	6
Phosphorus	ppm	1443	1303	1309	1586
Barium	ppm	0	0	0	0
Boron	ppm	344	344	369	378

Depot: VP297371
Unique No: 10954733
Signed: Jonathan Hester
Report Date: 04 Apr 2024

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GRAPHS

