

OIL ANALYSIS REPORT



PAT LANCASTER MATTHEW DOW VOLVO PENTA 3194008194 - PORT IPS

Sample No: VPA061917
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA061917	VPA042823	VPA035404	VPA033731
Sample Date	21 May 2024	01 Dec 2022	11 Jan 2022	02 Feb 2021
Machine Hours	628	615	600	572
Oil Hours	13	15	28	22
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Mobile Marine Services Inc
 01032 Advance Rd South
 EAST JORDAN, MI
 US 49727
 Contact: Duane Kujat
 mobilemarine@twin-valley.net
 T: Phone
 F:

OIL CONDITION

Visc @ 40°C	cSt	112	110	104	105
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	5	4	0
Sodium	ppm	1	0	0	0
Potassium	ppm	1	0	<1	0

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		15	11	34	15
Iron	ppm	3	6	8	7
Copper	ppm	0	<1	1	1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	1	0
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	3	16	1	1
Magnesium	ppm	23	1	<1	<1
Zinc	ppm	7	12	0	0
Phosphorus	ppm	1433	1285	1328	1360
Barium	ppm	0	0	0	0
Boron	ppm	322	305	318	336

Depot: VP443016
Unique No: 11111355
Signed: Don Baldrige
Report Date: 07 Jul 2024

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**VOLVO
PENTA**

GRAPHS

