

OIL ANALYSIS REPORT



PAT LANCASTER MATTHEW DOW VOLVO PENTA 3194008195 - STARBOARD IPS

Sample No: VPA061916
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA061916	VPA042824	VPA035407	VPA033730
Sample Date	21 May 2024	01 Dec 2022	11 Jan 2022	02 Feb 2021
Machine Hours	626	613	598	570
Oil Hours	13	15	28	252
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	110	110	105	105
		110	110	105	105

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	5	5	0
Sodium	ppm	1	0	0	0
Potassium	ppm	1	0	0	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		16	12	15	17
Iron	ppm	27	19	37	25
Copper	ppm	<1	<1	1	1
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	2	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	5	13	1	1
Magnesium	ppm	4	1	0	1
Zinc	ppm	10	10	0	0
Phosphorus	ppm	1446	1275	1322	1363
Barium	ppm	0	0	0	0
Boron	ppm	319	300	322	337

Depot: VP443016
Unique No: 11111357
Signed: Don Baldrige
Report Date: 07 Jul 2024

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VOLVO PENTA

GRAPHS

