

OIL ANALYSIS REPORT



HAL KAUFMAN MATTHEW DOW VOLVO PENTA 3194003545 - PORT IPS

Sample No: VPA054841
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA054841	VPA056585	VPA035408	VPA030214
Sample Date	26 Jun 2024	05 May 2023	09 Jan 2022	22 Nov 2019
Machine Hours	420	390	373	356
Oil Hours	30	17	17	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	102	110	105	105

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	5	4	12
Sodium	ppm	<1	<1	0	<1
Potassium	ppm	<1	0	<1	<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		14	14	16	15
Iron	ppm	4	2	3	4
Copper	ppm	<1	1	2	1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	2	0
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	0	0	0
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	4	2	<1	2
Magnesium	ppm	5	0	6	<1
Zinc	ppm	10	0	0	6
Phosphorus	ppm	1485	1324	1311	1258
Barium	ppm	0	0	0	0
Boron	ppm	325	304	314	243

Depot: VP443016
Unique No: 11111359
Signed: Don Baldrige
Report Date: 07 Jul 2024

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VOLVO PENTA

GRAPHS

