



## STEFAN WANCZYK DUANE KUJAT VOLVO PENTA 3940024901 - PORT IPS

Sample No: VPA056509

**Oil Type:** GEAR OIL SAE 75W90

SAMPLE INFORMA	ATION				
Sample Number Sample Date		VPA056509 02 May 2024	VPA042489 07 Mar 2023	VPA047346 28 Mar 2022	VPA033814 30 Mar 2021
Machine Hours		229	209	180	153
Oil Hours		20	30	26	51
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
OIL CONDITION					
Visc @ 40°C	cSt	<b>104</b>	□107	104	■104
CONTAMINATION					
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	7	5	<1
Sodium	ppm	<b>0</b>	<b>-</b> <1	<b>0</b>	<b>0</b>
Potassium	ppm	<b>1</b>	0	■0	<b>0</b>
WEAR METALS					
PQ		<b>1</b> 6	■14	<b>2</b> 1	<b>1</b> 7
Iron	ppm	<b>20</b>	■31	<b>26</b>	□36
Copper	ppm	2	2	2	6
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<b></b>	<b>-</b> <1	<b></b>	<b></b>
Molybdenum	ppm	<b>■&lt;1</b>	<b>-</b> <1	<b>0</b>	<b></b>
Nickel	ppm	<b>■&lt;1</b>	<b>0</b>	<b>0</b>	<b></b>
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	<b>■&lt;1</b>	<b>-</b> <1	<b></b>	<b>4</b>
Vanadium	ppm	<1	0	0	0
ADDITIVES					
Calcium	ppm	<b>4</b>	<b>1</b> 2	<b>2</b>	<b>1</b> 0
Magnesium	ppm	<b>■</b> 5	1	<b>5</b>	63
Zinc	ppm	<b>6</b>	<b>7</b>	<b>2</b>	■8
Phosphorus	ppm	<b>1319</b>	<b>1266</b>	■1320	<b>1349</b>
Barium	ppm	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Boron	ppm	■395	■294	■358	■340

## **Mobile Marine Services Inc**

01032 Advance Rd South EAST JORDAN, MI US 49727 Contact: Duane Kujat

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T: Phone F:

## Diagnosis

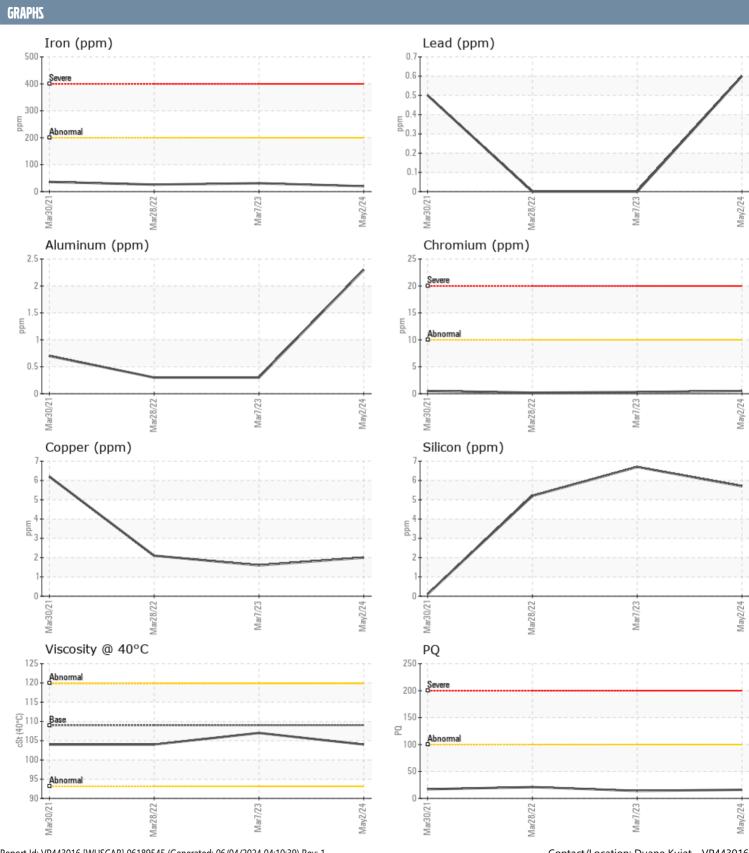
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:VP443016Unique No:11046297Signed:Don BaldridgeReport Date:28 May 2024

Contact/Location: Duane Kujat - VP443016

## **OIL ANALYSIS REPORT**





Report Id: VP443016 [WUSCAR] 06189545 (Generated: 06/04/2024 04:10:39) Rev: 1