



CRAIG BYAR MATTHEW DOW MERCURY 0M963940 - PORT IPS

Sample No: VPA060593

Oil Type: MERCURY MARINE SAE 90 HIGH PRO

CAMPLE INCORM	TION				
SAMPLE INFORMA	ATTUN				
Sample Number		VPA060593	VPA042485	VPA035290	VPA027855
Sample Date		08 Nov 2023	25 Jan 2023	22 Mar 2022	12 Nov 2019
Machine Hours		815	775	28	574
Oil Hours		40	62	28	132
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	SEVERE	SEVERE	SEVERE
OIL CONDITION					
Visc @ 40°C	cSt	161	1 10	113	■106
CONTAMINATION					
Water	%	NEG	2.02	3.07	3.06
Silicon	ppm	1	4	4	- <1
Sodium	ppm	0	0	□0	< 1
Potassium	ppm	■ 3	- <1	- <1	1
WEAR METALS					
PQ		■ 21	2 2	■35	5 4
Iron	ppm	119	192	<u>^</u> 242	▲ 328
Copper	ppm	6	4	6	1 0
Lead	ppm	1	<1	<1	- <1
Tin	ppm	0	4	2	- <1
Aluminum	ppm	<1	3	4	3
Chromium	ppm		2	2	3
Molybdenum	ppm	45	- <1	2	6
Nickel	ppm	■ 3	2	■3	3
Titanium	ppm	0	<1	3	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	1	2	3	4
Vanadium	ppm	0	0	0	0
ZAVITIDDA					
Calcium	ppm	9	2 5	2 4	1 2
Magnesium	ppm	2	2	2	<1
Zinc	ppm	2	■35	2 3	1 5
Phosphorus	ppm	230	1317	1352	1200
Barium	ppm	7	0	0	- <1
Boron	ppm	0	193	 □ 184	194

Mobile Marine Services Inc

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

F:

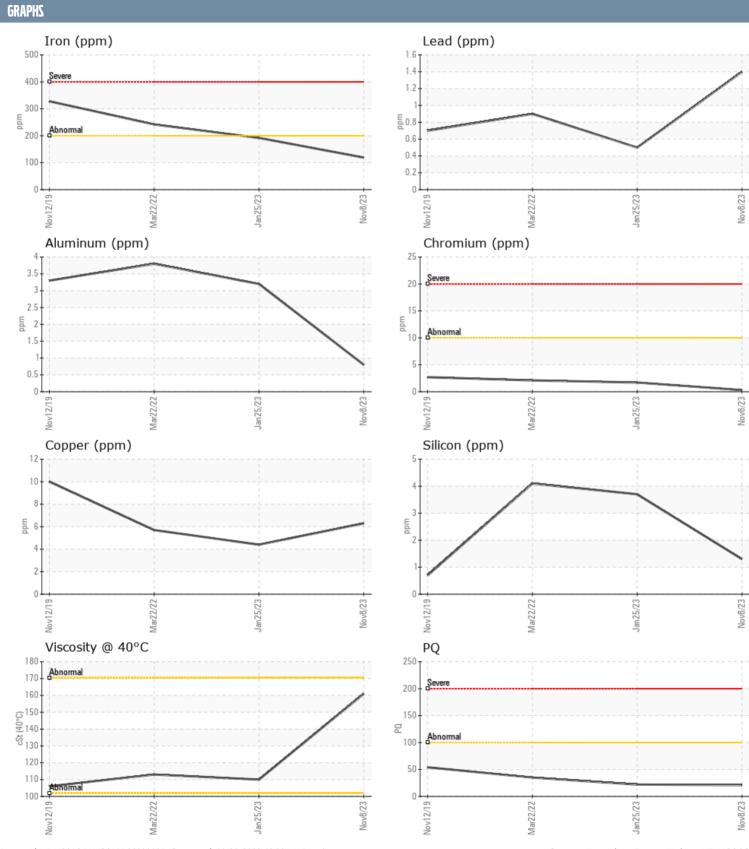
Diagnosis

The oil change at the time of sampling has been noted. 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:10742957Signed:Angela BorellaReport Date:17 Nov 2023

OIL ANALYSIS REPORT





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