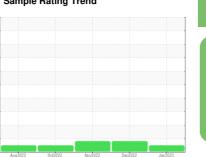


# **OIL ANALYSIS REPORT**

## Sample Rating Trend



**NORMAL** 



# MERCURY MARINE

Component

**Transmission (Auto)** 

**CASTROL TRANSMAX SYNTHETIC MV AT** 

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the fluid.

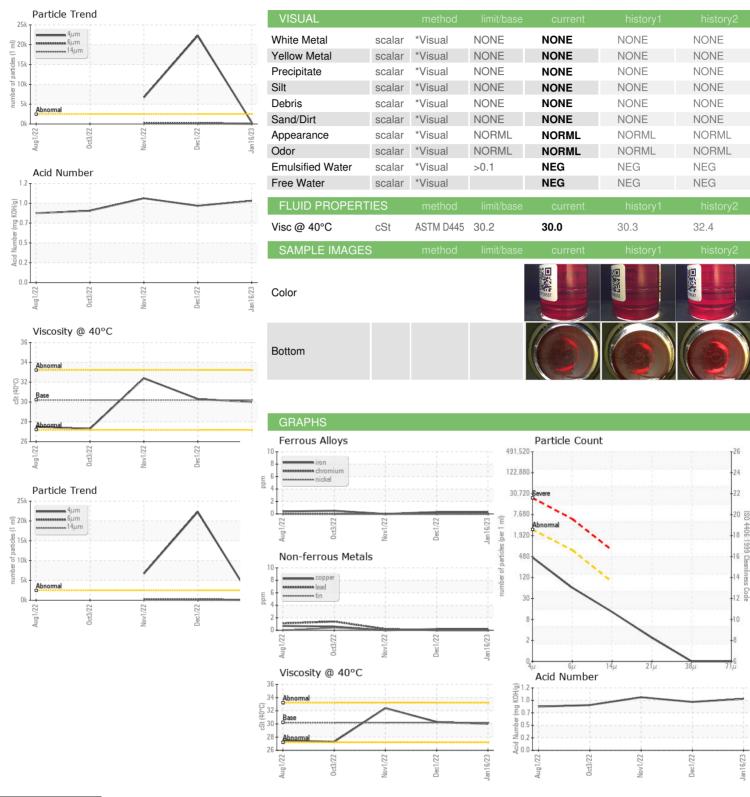
### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

F (45 GAL)		Aug <sup>2</sup> 022	0ct2022	Nov2022 Dec2022	Jan2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0700557	WC0700552	WC0700547
Sample Date		Client Info		16 Jan 2023	01 Dec 2022	01 Nov 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	<1	<1	0
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	2	2	<1
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>225	<1	<1	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	100	91	103	107
Barium	ppm	ASTM D5185m	0	15	6	6
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	10	<1	0	0
Magnesium	ppm	ASTM D5185m	0	<1	2	0
Calcium	ppm	ASTM D5185m	370	76	74	73
Phosphorus	ppm	ASTM D5185m	300	219	229	206
Zinc	ppm	ASTM D5185m	0	14	16	<1
Sulfur	ppm	ASTM D5185m	1600	627	722	1129
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	<1	0
Sodium	ppm	ASTM D5185m		2	1	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	398	<u>^</u> 22281	<b>△</b> 6692
Particles >6μm		ASTM D7647	>640	54	235	295
Particles >14μm		ASTM D7647	>80	11	6	32
Particles >21µm		ASTM D7647	>20	2	2	8
Particles >38µm		ASTM D7647	>4	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	16/13/11	<u>22/15/10</u>	<b>△</b> 20/15/12
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.99	0.93	1.02



## OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number

**Unique Number** Test Package : PLANT

: WC0700557 : 05741411

: 10296010

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Jan 2023 Diagnosed : 18 Jan 2023

Diagnostician : Don Baldridge

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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