

PROBLEM SUMMARY

Sample Rating Trend



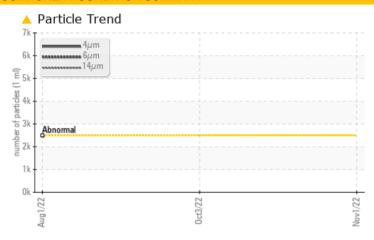
MERCURY MARINE

Component

Transmission (Auto)

CITGO TRANSGUARD TH FLUID (45 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry update for target ISO.

PROBLEMATIC TEST RESULTS											
Sample Status			ABNORMAL	NORMAL	NORMAL						
Particles >4µm	ASTM D7647	>2500	△ 6692								
Oil Cleanliness	ISO 4406 (c)	\18/16/13	A 20/15/12								

Customer Id: HAWCHANC Sample No.: WC0700547 Lab Number: 05682714 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

03 Oct 2022 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.



01 Aug 2022 Diag: Jonathan Hester

NORMAL

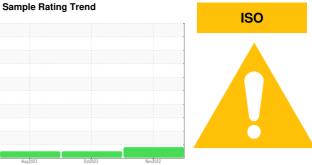


Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.





OIL ANALYSIS REPORT



MERCURY MARINE

Component

Transmission (Auto)

CITGO TRANSGUARD TH FLUID (45 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry update for target ISO.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 6 microns in size) present in the fluid.

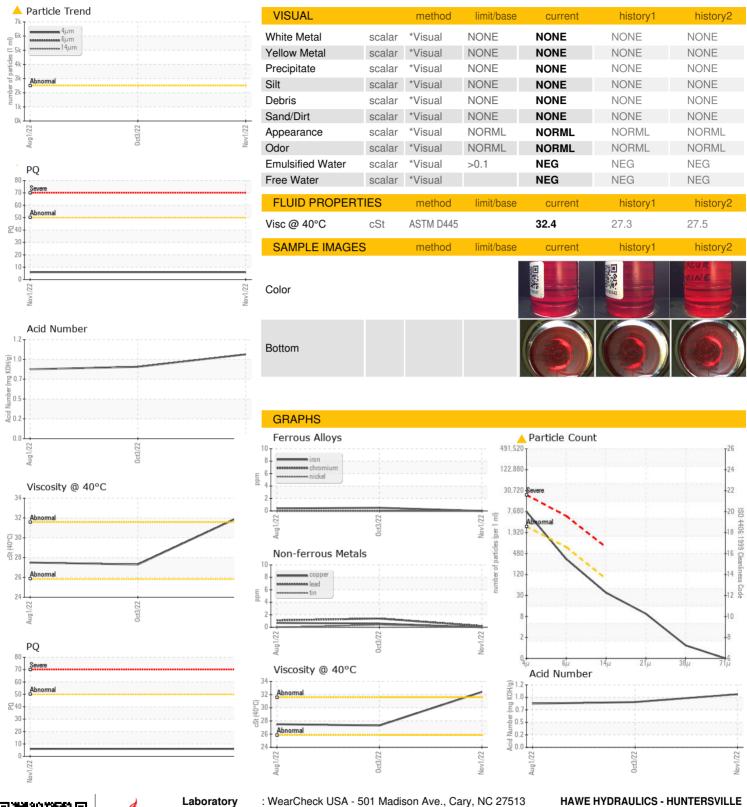
Fluid Condition

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

		Aug	2022	Oct2022 Nov20	122	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0700547	WC0700542	WC0700534
Sample Date		Client Info		01 Nov 2022	03 Oct 2022	01 Aug 2022
Machine Age	mths	Client Info		0	0	0 Aug 2022
Oil Age	mths	Client Info		0	0	0
Oil Changed	111110	Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>50	6		
Iron	ppm	ASTM D5185m	>160	0	<1	<1
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	<1
Aluminum	ppm	ASTM D5185m	>50	<1	3	1
Lead	ppm	ASTM D5185m	>50	<1	1	1
Copper	ppm	ASTM D5185m	>225	0	<1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
			IIIIIIVDase			
Boron	ppm	ASTM D5185m		107	64	72
Barium	ppm	ASTM D5185m		6	4	3
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		0	3	3
Calcium	ppm	ASTM D5185m		73	96	94
Phosphorus	ppm	ASTM D5185m		206	233 17	225 18
Zinc Sulfur	ppm	ASTM D5185m		<1 1129	992	850
	ppm	ASTM D5185m		1129	992	650
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		0	1	1
Sodium	ppm	ASTM D5185m		0	3	3
Potassium	ppm	ASTM D5185m	>20	0	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	△ 6692		
Particles >6µm		ASTM D7647	>640	295		
Particles >14μm		ASTM D7647	>80	32		
Particles >21µm		ASTM D7647	>20	8		
Particles >38μm		ASTM D7647	>4	1		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<u>20/15/12</u>		
EL						
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Test Package : PLANT

Lab Number **Unique Number**

: WC0700547 : 05682714 : 10202286

: 02 Nov 2022 Received Diagnosed

: 08 Nov 2022 Diagnostician : Doug Bogart

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)

13020 JAMESBURG DR SUITE A

HUNTERSVILLE, NC US 28078

Contact: Kristina Smith k.smith@hawe.com

T: (704)927-5610 F: (704)509-6302