

PROBLEM SUMMARY

Sample Rating Trend

ISO

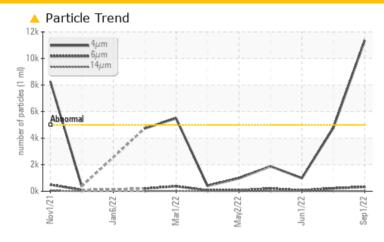
MERCURY MARINE TEST BENCH

Component

Hydraulic System

CITGO TRANSGUARD TH FLUID (50 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST I	RESULTS				
Sample Status			ABNORMAL	NORMAL	NORMAL
Particles >4µm	ASTM D7647	>5000	11354	4766	984
Oil Cleanliness	ISO 4406 (c)	>19/17/14	21/16/10	19/15/11	17/13/11

Customer Id: HAWCHANC Sample No.: WC0700537 Lab Number: 05632880 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS

01 Jul 2022 Diag: Don Baldridge

NORMAL



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 amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



01 Jun 2022 Diag: Don Baldridge

NORMAL



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 amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

04 May 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 oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

ISO

MERCURY MARINE TEST BENCH

Hydraulic System

CITGO TRANSGUARD TH FLUID (50 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

		Nov2021	Jan 2022 Mar 2022	May2022 Jun2022	Sep 2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0700537	WC0700527	WC0700525
Sample Date		Client Info		01 Sep 2022	01 Jul 2022	01 Jun 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				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	1	<1
Lead	ppm	ASTM D5185m	>20	<1	1	<1
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	<1	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		79	82	80
Barium	ppm	ASTM D5185m		4	3	6
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	2	2
Calcium	ppm	ASTM D5185m		98	103	94
Phosphorus	ppm	ASTM D5185m		247	237	229
Zinc	ppm	ASTM D5185m		17	20	21
Sulfur	ppm	ASTM D5185m		877	1021	978
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	2	1
Sodium	ppm	ASTM D5185m		4	2	3
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u></u> 11354	4766	984
Particles >6µm		ASTM D7647	>1300	334	223	66
Particles >14µm		ASTM D7647	>160	10	16	12
Particles >21µm		ASTM D7647	>40	3	6	7
Particles >38µm		ASTM D7647	>10	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 21/16/10	19/15/11	17/13/11
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.79	0.73	0.82



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number **Unique Number**

Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 02 Sep 2022 : WC0700537 Received : 06 Sep 2022

: 05632880 Diagnosed : Don Baldridge : 10117401 Diagnostician

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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