



PROBLEM SUMMARY

Sample Rating Trend



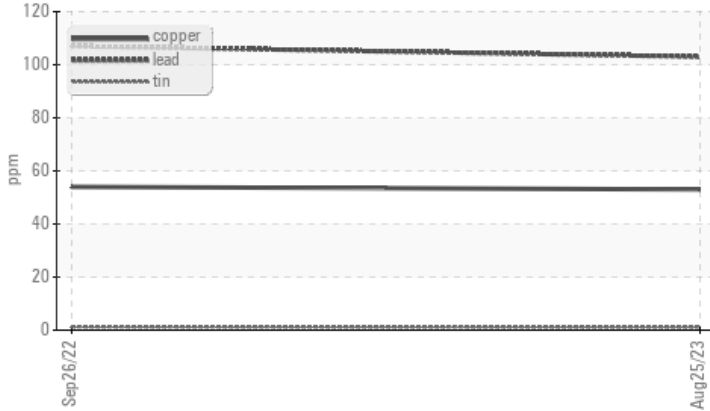
WEAR



Machine Id
50499496 (S/N 12756)
 Component
Hydraulic System
 Fluid
MOBIL DTE 24 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



RECOMMENDATION

We advise that you inspect for the source(s) of wear.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				MARGINAL	ABNORMAL	---
Lead	ppm	ASTM D5185m	>100	▲ 103	▲ 107	---
Copper	ppm	ASTM D5185m	>50	▲ 53	▲ 54	---

Customer Id: TECGRENC
Sample No.: WC0844260
Lab Number: 05939040
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

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample.

HISTORICAL DIAGNOSIS

26 Sep 2022 Diag: Angela Borella

WEAR



We advise that you inspect for the source(s) of wear. Resample at the next service interval to monitor. The lead level is abnormal. The copper level is abnormal. Bearing wear is indicated. 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 acceptable for the time in service.

view report





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
50499496 (S/N 12756)

Component
Hydraulic System

Fluid
MOBIL DTE 24 (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you inspect for the source(s) of wear. Resample at the next service interval to monitor.

▲ Wear

The lead level is abnormal. The copper level is abnormal. Bearing wear is indicated.

Contamination

The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0844260	WC0731089	---
Sample Date	Client Info	25 Aug 2023	26 Sep 2022	---
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	---
Sample Status		MARGINAL	ABNORMAL	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	11	---	---
Iron	ppm	ASTM D5185m >150	2	2
Chromium	ppm	ASTM D5185m >10	0	0
Nickel	ppm	ASTM D5185m >10	<1	0
Titanium	ppm	ASTM D5185m	0	0
Silver	ppm	ASTM D5185m	0	0
Aluminum	ppm	ASTM D5185m >25	0	0
Lead	ppm	ASTM D5185m >100	▲ 103	▲ 107
Copper	ppm	ASTM D5185m >50	▲ 53	▲ 54
Tin	ppm	ASTM D5185m >10	1	1
Vanadium	ppm	ASTM D5185m	0	0
Cadmium	ppm	ASTM D5185m	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0
Barium	ppm	ASTM D5185m	2	2
Molybdenum	ppm	ASTM D5185m	<1	<1
Manganese	ppm	ASTM D5185m	0	<1
Magnesium	ppm	ASTM D5185m	6	6
Calcium	ppm	ASTM D5185m	76	77
Phosphorus	ppm	ASTM D5185m	166	166
Zinc	ppm	ASTM D5185m	216	205
Sulfur	ppm	ASTM D5185m	768	782

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	2	5
Sodium	ppm	ASTM D5185m	0	0
Potassium	ppm	ASTM D5185m >20	<1	1

FLUID CLEANLINESS

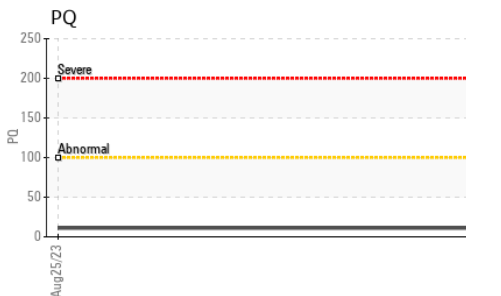
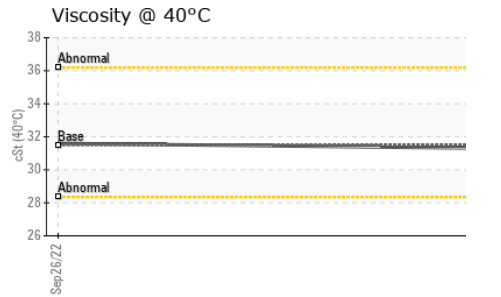
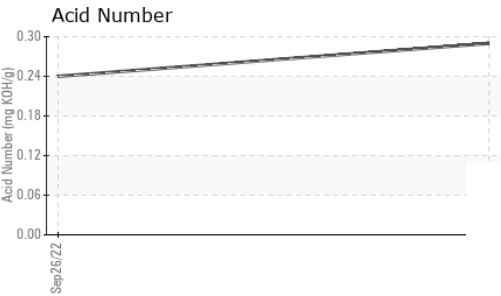
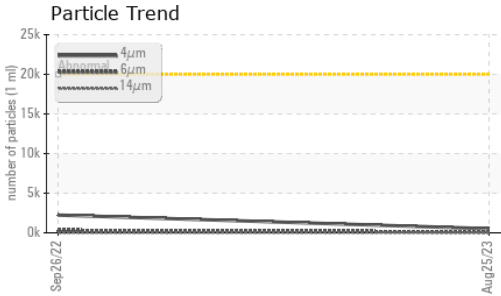
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	521	2241
Particles >6µm	ASTM D7647	>5000	90	306
Particles >14µm	ASTM D7647	>640	17	9
Particles >21µm	ASTM D7647	>160	8	2
Particles >38µm	ASTM D7647	>40	0	0
Particles >71µm	ASTM D7647	>10	0	0
Oil Cleanliness	ISO 4406 (c)	>21/19/16	16/14/11	18/15/10

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.29	0.24



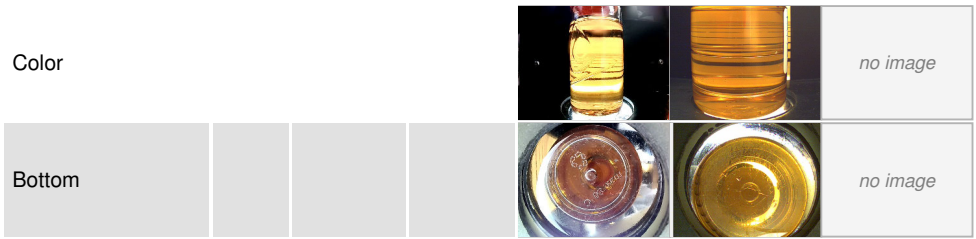
OIL ANALYSIS REPORT



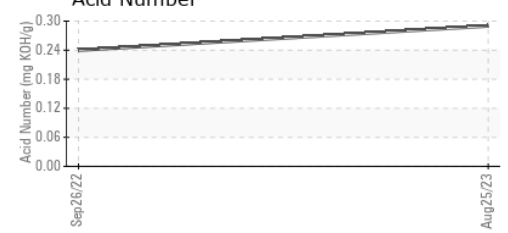
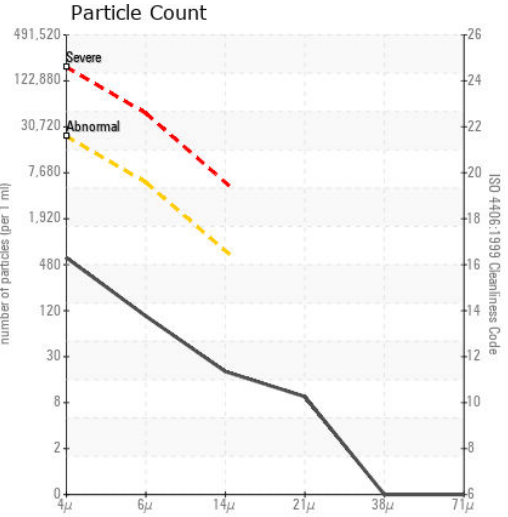
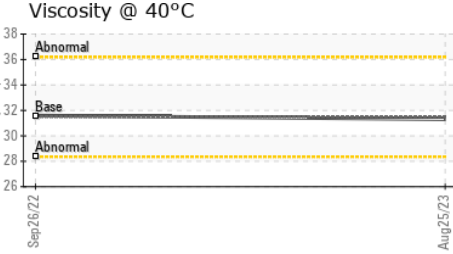
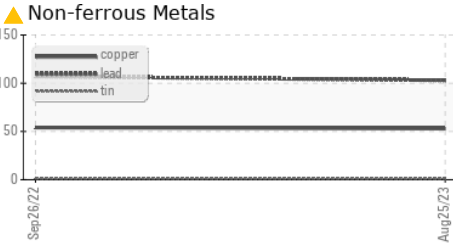
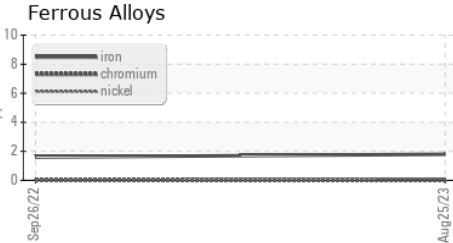
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	31.5	31.3	31.6	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0844260 **Received** : 30 Aug 2023
Lab Number : 05939040 **Diagnosed** : 06 Sep 2023
Unique Number : 10629652 **Diagnostician** : Doug Bogart
Test Package : PLANT

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Certificate L2367
 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)