



# OIL ANALYSIS REPORT

Sample Rating Trend

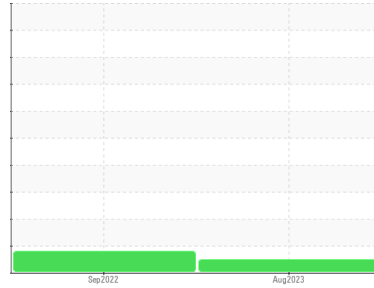
**NORMAL**



Machine Id  
**49239508 (S/N 13340)**

Component  
**Hydraulic System**

Fluid  
**MOBIL DTE 24 (--- GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil. 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 suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0844265</b>	WC0731070	---
Sample Date	Client Info		<b>25 Aug 2023</b>	26 Sep 2022	---
Machine Age	hrs	Client Info	<b>0</b>	0	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>9</b>	---	---
Iron	ppm	ASTM D5185m >200	<b>6</b>	5	---
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m >50	<b>13</b>	9	---
Copper	ppm	ASTM D5185m >200	<b>55</b>	▲ 39	---
Tin	ppm	ASTM D5185m >10	<b>4</b>	3	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	2	---
Barium	ppm	ASTM D5185m	<b>2</b>	2	---
Molybdenum	ppm	ASTM D5185m	<b>2</b>	2	---
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m	<b>25</b>	24	---
Calcium	ppm	ASTM D5185m	<b>176</b>	171	---
Phosphorus	ppm	ASTM D5185m	<b>466</b>	463	---
Zinc	ppm	ASTM D5185m	<b>699</b>	674	---
Sulfur	ppm	ASTM D5185m	<b>4989</b>	4929	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>2</b>	2	---
Sodium	ppm	ASTM D5185m	<b>0</b>	0	---
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	---

## FLUID CLEANLINESS

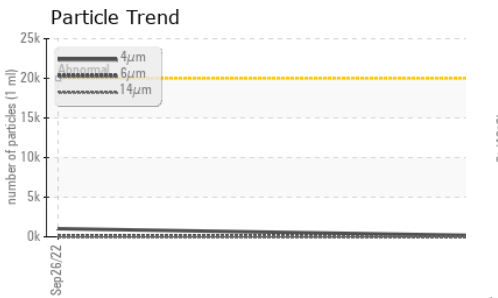
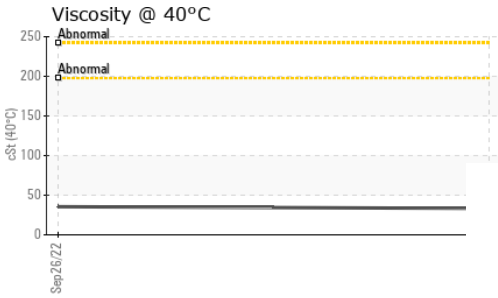
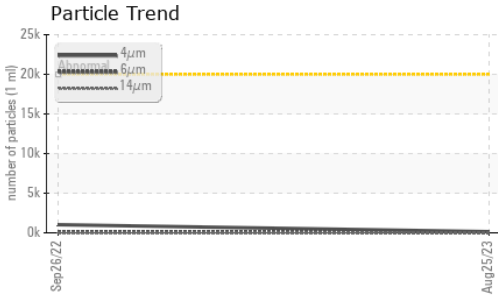
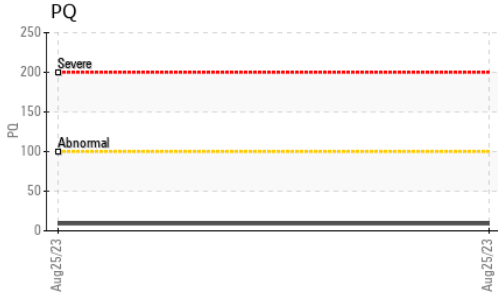
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	<b>145</b>	1027	---
Particles >6µm	ASTM D7647	>5000	<b>22</b>	83	---
Particles >14µm	ASTM D7647	>640	<b>3</b>	3	---
Particles >21µm	ASTM D7647	>160	<b>1</b>	1	---
Particles >38µm	ASTM D7647	>40	<b>0</b>	0	---
Particles >71µm	ASTM D7647	>10	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	<b>14/12/9</b>	17/14/9	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.74</b>	0.68	---



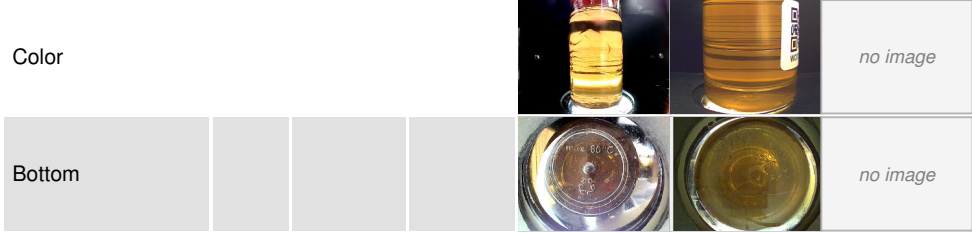
# OIL ANALYSIS REPORT



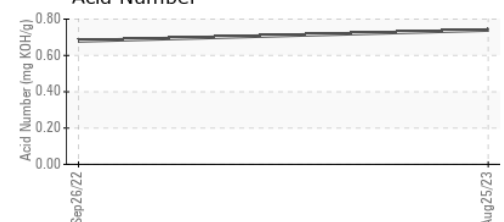
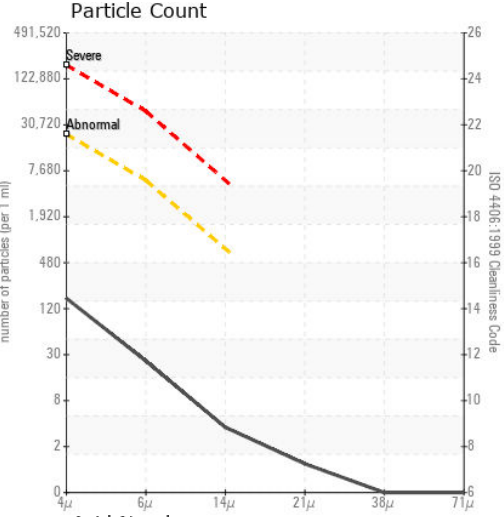
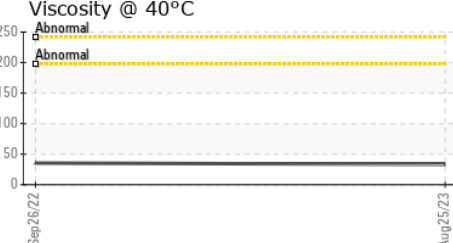
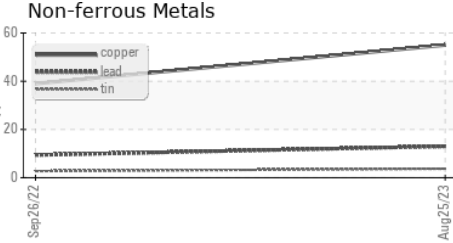
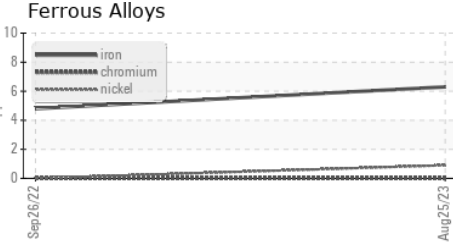
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	33.3	35.5	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0844265 **Received** : 30 Aug 2023  
**Lab Number** : 05939035 **Diagnosed** : 19 Sep 2023  
**Unique Number** : 10629647 **Diagnostician** : Doug Bogart  
**Test Package** : PLANT

**TE CONNECTIVITY**  
 719 PEGG RD  
 GREENSBORO, NC  
 US 27409  
 Contact: BILLIE WALLACE  
 billie.wallace@te.com

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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F: