



# PROBLEM SUMMARY

Sample Rating Trend

ISO

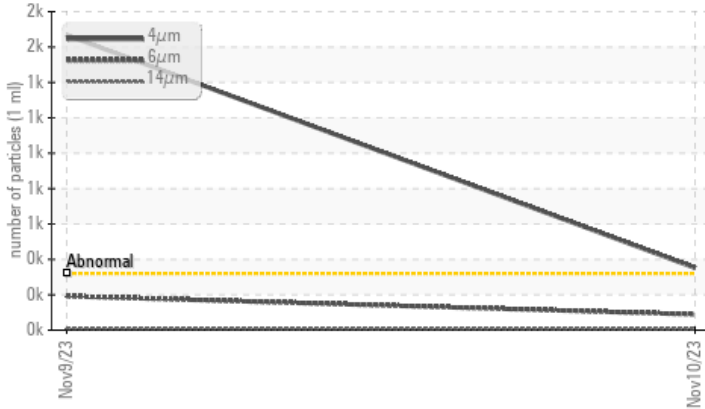


Machine Id  
**MLFGPB-1 (S/N 21-211)**  
Component  
**Hydraulic Power Pack**  
Fluid  
**MOBIL DTE 25 (275 GAL)**



## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## 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. ( Customer Sample Comment: After 6 hours of kidney filtration. )

## PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	ABNORMAL	---
Particles >4µm	ASTM D7647	>320	▲ 352	▲ 1668	---
Particles >6µm	ASTM D7647	>80	▲ 89	▲ 192	---
Oil Cleanliness	ISO 4406 (c)	>15/13/10	▲ 16/14/10	▲ 18/15/10	---

Customer Id: WESCONSC  
Sample No.: WC0782722  
Lab Number: 06008302  
Test Package: IND 2



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](mailto:dougb@wearcheckusa.com)

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

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Alert	---	---	?	Please note that this is a corrected copy.

## HISTORICAL DIAGNOSIS

09 Nov 2023 Diag: Doug Bogart

ISO



No corrective action is recommended at this time. The filtering at the time of sampling has been noted. Resample at the next service interval to monitor. Please note that this is a corrected copy. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

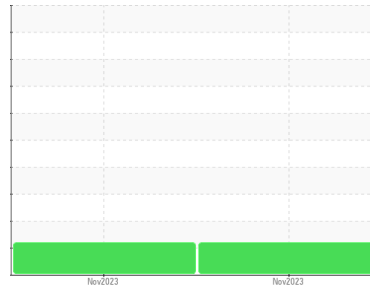
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**MLFGPB-1 (S/N 21-211)**

Component  
**Hydraulic Power Pack**  
Fluid  
**MOBIL DTE 25 (275 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. ( Customer Sample Comment: After 6 hours of kidney filtration. )

### Wear

All component wear rates are normal.

### Contamination

There is a moderate 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.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC0782722</b>	WC0782775	---
Sample Date	Client Info	<b>10 Nov 2023</b>	09 Nov 2023	---
Machine Age	hrs	<b>7200</b>	7200	---
Oil Age	hrs	<b>0</b>	0	---
Oil Changed	Client Info	<b>Filtered</b>	N/A	---
Sample Status		<b>ATTENTION</b>	ABNORMAL	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.05	<b>NEG</b>	NEG	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	<b>0</b>	0	---
Chromium	ppm ASTM D5185m >20	<b>0</b>	0	---
Nickel	ppm ASTM D5185m >20	<b>0</b>	0	---
Titanium	ppm ASTM D5185m	<b>0</b>	0	---
Silver	ppm ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm ASTM D5185m >20	<b>0</b>	0	---
Lead	ppm ASTM D5185m >20	<b>0</b>	0	---
Copper	ppm ASTM D5185m >20	<b>21</b>	20	---
Tin	ppm ASTM D5185m >20	<b>0</b>	0	---
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	<1	---
Cadmium	ppm ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>0</b>	0	---
Barium	ppm ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm ASTM D5185m	<b>0</b>	0	---
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm ASTM D5185m	<b>0</b>	0	---
Calcium	ppm ASTM D5185m	<b>53</b>	52	---
Phosphorus	ppm ASTM D5185m	<b>369</b>	355	---
Zinc	ppm ASTM D5185m	<b>511</b>	510	---
Sulfur	ppm ASTM D5185m	<b>964</b>	953	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	<b>&lt;1</b>	0	---
Sodium	ppm ASTM D5185m	<b>&lt;1</b>	<1	---
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	<1	---

## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >320	<b>▲ 352</b>	▲ 1668	---
Particles >6µm	ASTM D7647 >80	<b>▲ 89</b>	▲ 192	---
Particles >14µm	ASTM D7647 >10	<b>8</b>	10	---
Particles >21µm	ASTM D7647 >3	<b>3</b>	2	---
Particles >38µm	ASTM D7647 >3	<b>0</b>	0	---
Particles >71µm	ASTM D7647 >3	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c) >15/13/10	<b>▲ 16/14/10</b>	▲ 18/15/10	---

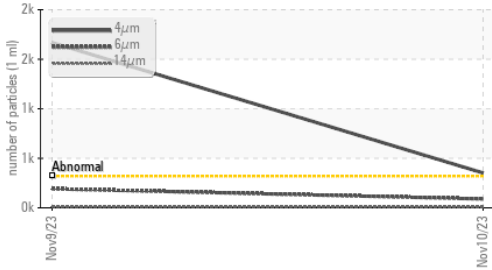
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.34</b>	0.32	---

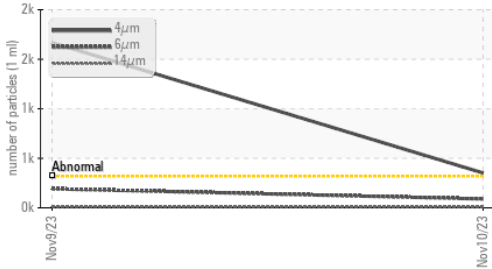


# OIL ANALYSIS REPORT

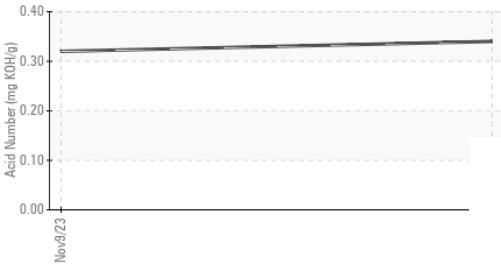
▲ Particle Trend



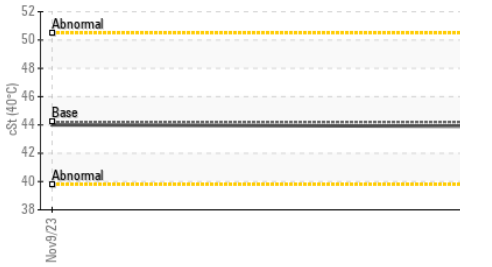
▲ Particle Trend



Acid Number



Viscosity @ 40°C



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	>0.05	NEG	---
Free Water	scalar	*Visual		NEG	---

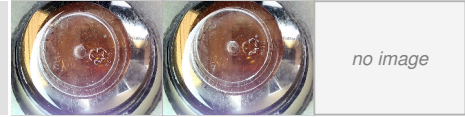
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.2	43.9	44.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color



Bottom

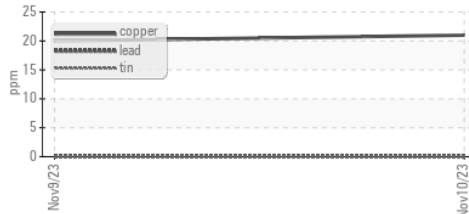


### GRAPHS

Ferrous Alloys



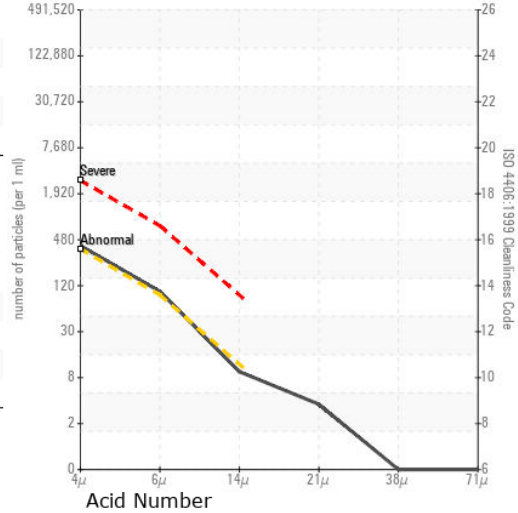
Non-ferrous Metals



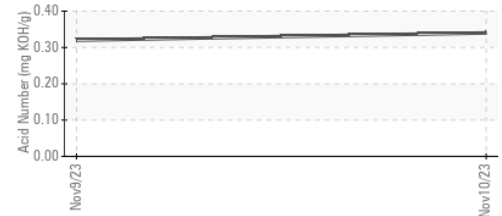
Viscosity @ 40°C



▲ Particle Count



Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0782722 **Received** : 15 Nov 2023  
**Lab Number** : 06008302 **Diagnosed** : 22 Nov 2023  
**Unique Number** : 10742064 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

**WEST SIDE SOLUTIONS**  
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 US 29526-9631  
 Contact: KEN ANDRE  
 westsidesolutionsus@gmail.com  
 T: (216)577-5014  
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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)