



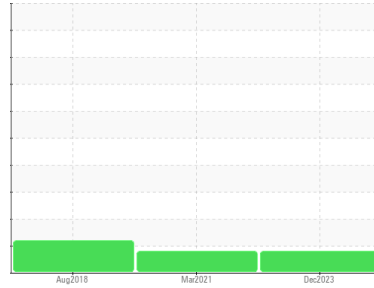
# OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area  
**[1873928]**  
 Machine Id  
**WP04-XF02 (S/N 31990071)**  
 Component  
**Hydraulic System**  
 Fluid  
**MOBIL DTE 25 (--- GAL)**



## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### Wear

All component wear rates are normal.

### Contamination

There is a light 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>WC0827144</b>	WC0506791	WCI2251288
Sample Date	Client Info		<b>08 Dec 2023</b>	04 Mar 2021	01 Aug 2018
Machine Age	hrs	Client Info	<b>0</b>	5736	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status			<b>ATTENTION</b>	ABNORMAL	ABNORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>12</b>	16	15
Chromium	ppm	ASTM D5185m >20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m >20	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >20	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m >20	<b>&lt;1</b>	2	1
Copper	ppm	ASTM D5185m >20	<b>1</b>	2	2
Tin	ppm	ASTM D5185m >20	<b>&lt;1</b>	1	<1
Antimony	ppm	ASTM D5185m	<b>---</b>	<1	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	6	<1
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>0</b>	1	1
Calcium	ppm	ASTM D5185m	<b>68</b>	73	79
Phosphorus	ppm	ASTM D5185m	<b>451</b>	482	466
Zinc	ppm	ASTM D5185m	<b>577</b>	689	612
Sulfur	ppm	ASTM D5185m	<b>5024</b>	5776	8126

## CONTAMINANTS

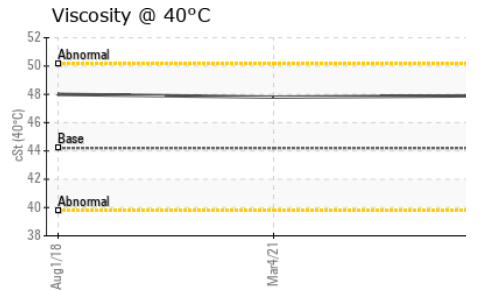
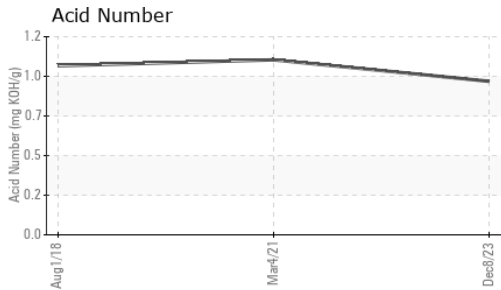
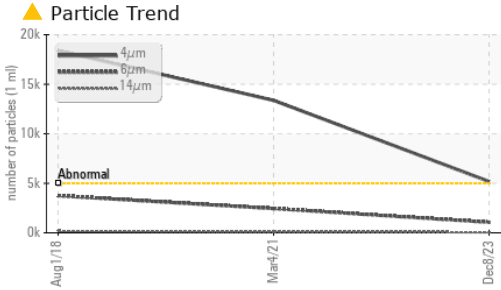
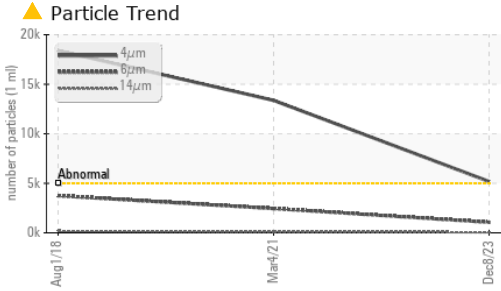
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>2</b>	3	2
Sodium	ppm	ASTM D5185m	<b>18</b>	18	18
Potassium	ppm	ASTM D5185m >20	<b>2</b>	2	3

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>▲ 5181</b>	▲ 13372	▲ 18399
Particles >6µm	ASTM D7647	>1300	<b>1062</b>	▲ 2450	▲ 3747
Particles >14µm	ASTM D7647	>160	<b>48</b>	107	▲ 178
Particles >21µm	ASTM D7647	>40	<b>4</b>	15	34
Particles >38µm	ASTM D7647	>10	<b>0</b>	0	0
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>▲ 20/17/13</b>	▲ 21/18/14	▲ 21/19/15



# OIL ANALYSIS REPORT

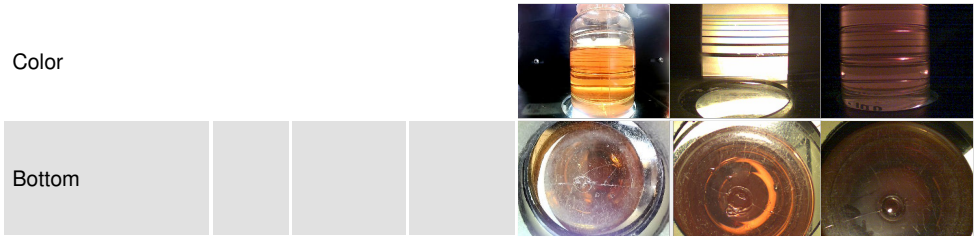


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.93</b>	1.060	1.024

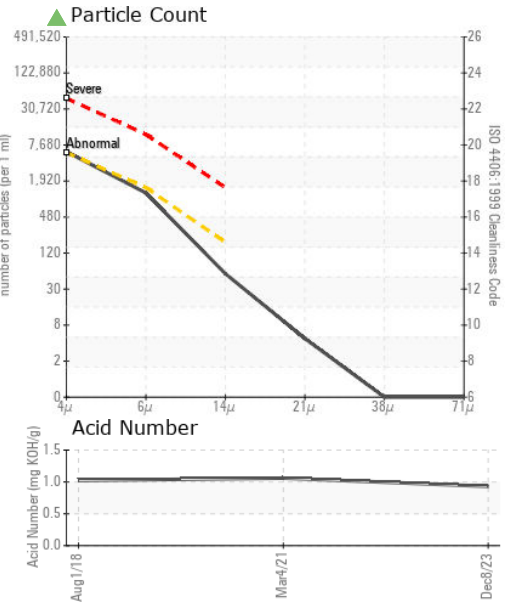
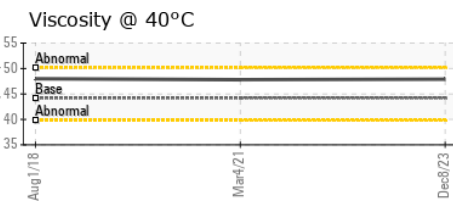
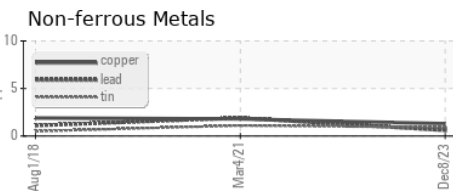
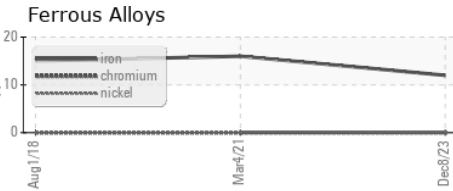
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.2	<b>47.9</b>	47.8	48.00

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0827144 **Received** : 31 Jan 2024  
**Lab Number** : **06075684** **Diagnosed** : 01 Feb 2024  
**Unique Number** : 10857775 **Diagnostician** : Wes Davis  
**Test Package** : IND 2

**LEPRINO FOODS - LEMOORE EAST**  
 490 F ST.  
 LEMOORE, CA  
 US 93245  
 Contact: CHRISTOPHER FOGG  
 cfogg@leprinofoods.com  
 T: (559)925-7137  
 F:

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)