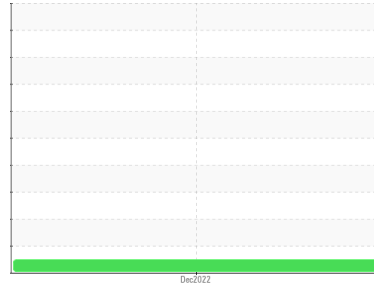




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[187083-N2STV4W]**  
 Machine Id  
**UVA (S/N 10002654)**  
 Component  
**Hydraulic System**  
 Fluid  
**MOBIL DTE FM 32 (--- 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>PH05833227</b>	---	---
Sample Date	Client Info	<b>17 Dec 2022</b>	---	---
Machine Age	mths Client Info	<b>0</b>	---	---
Oil Age	mths Client Info	<b>12</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## WEAR METALS

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

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	<b>0</b>	---	---
Barium ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum ppm	ASTM D5185m	<b>0</b>	---	---
Manganese ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium ppm	ASTM D5185m	<b>1</b>	---	---
Calcium ppm	ASTM D5185m	<b>2</b>	---	---
Phosphorus ppm	ASTM D5185m	<b>559</b>	---	---
Zinc ppm	ASTM D5185m	<b>9</b>	---	---
Sulfur ppm	ASTM D5185m	<b>660</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >15	<b>11</b>	---	---
Sodium ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Potassium ppm	ASTM D5185m >20	<b>0</b>	---	---

## FLUID CLEANLINESS

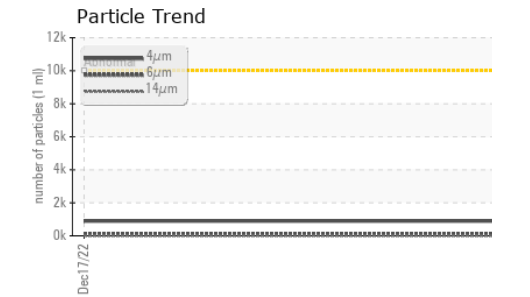
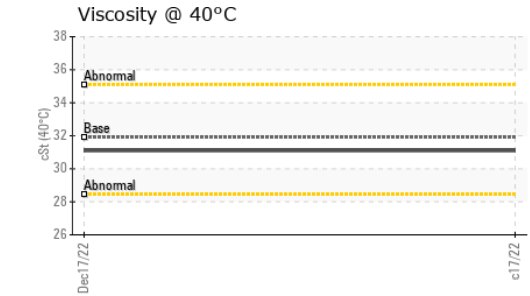
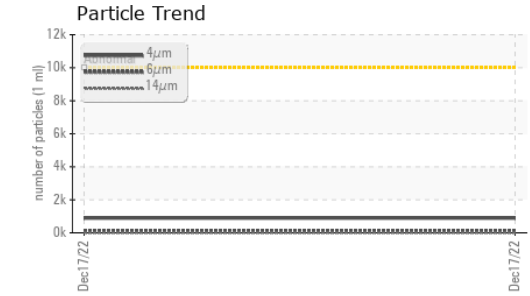
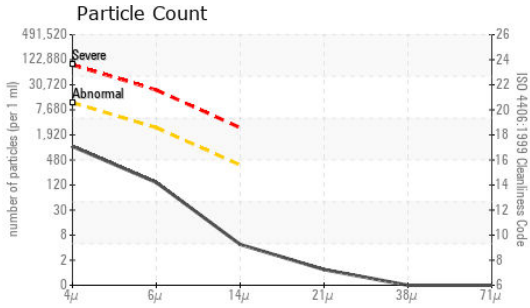
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>892</b>	---	---
Particles >6µm	ASTM D7647 >2500	<b>122</b>	---	---
Particles >14µm	ASTM D7647 >320	<b>4</b>	---	---
Particles >21µm	ASTM D7647 >80	<b>1</b>	---	---
Particles >38µm	ASTM D7647 >20	<b>0</b>	---	---
Particles >71µm	ASTM D7647 >4	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c) >20/18/15	<b>17/14/9</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045	<b>0.43</b>	---	---



# OIL ANALYSIS REPORT



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PH05833227 **Received** : 28 Apr 2023  
**Lab Number** : 05833227 **Diagnosed** : 02 May 2023  
**Unique Number** : 10446720 **Diagnostician** : Jonathan Hester  
**Test Package** : PLANT ( Additional Tests: KF )

**IMRIS**  
 1230 CHASKA CREEK WAY, SUITE 100  
 CHASKA, MN  
 US 55318  
 Contact: JILL BRENINGEN  
 jbreningen@imris.com  
 T: (763)203-6335  
 F:

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)

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	31.9	31.1	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color					no image	no image
Bottom					no image	no image
PrtFilter				no image	no image	no image

## GRAPHS

