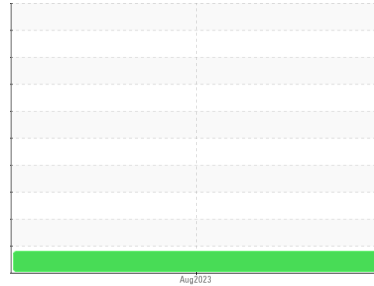




# PROBLEM SUMMARY

Sample Rating Trend



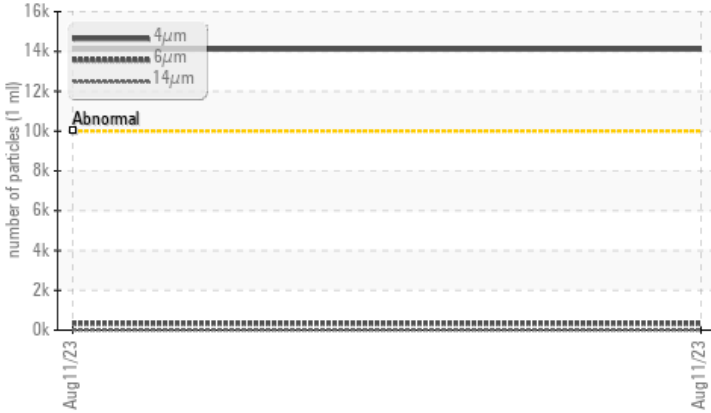
ISO



Area  
**Powerhouse**  
 Machine Id  
**#2 Air Compressor**  
 Component  
**Air Compressor**  
 Fluid  
**MOBIL DTE OIL HVY MEDIUM (23)**

## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

No corrective action is recommended at this time.  
 Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status			<b>ATTENTION</b>	---	---
Particles >4µm	ASTM D7647	>10000	▲ <b>14105</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ <b>21/16/11</b>	---	---

Customer Id: CASASH  
 Sample No.: WC0776552  
 Lab Number: 05927228  
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

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

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area  
**Powerhouse**  
 Machine Id  
**#2 Air Compressor**  
 Component  
**Air Compressor**  
 Fluid  
**MOBIL DTE OIL HVY MEDIUM (23)**

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### 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>WC0776552</b>	---	---
Sample Date	Client Info	<b>11 Aug 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---
Oil Age	hrs	Client Info	<b>0</b>	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ATTENTION</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>&lt;1</b>	---
Chromium	ppm	ASTM D5185m >4	<b>0</b>	---
Nickel	ppm	ASTM D5185m >4	<b>0</b>	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---
Silver	ppm	ASTM D5185m	<b>0</b>	---
Aluminum	ppm	ASTM D5185m >10	<b>&lt;1</b>	---
Lead	ppm	ASTM D5185m >20	<b>&lt;1</b>	---
Copper	ppm	ASTM D5185m >40	<b>&lt;1</b>	---
Tin	ppm	ASTM D5185m >5	<b>0</b>	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</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>2</b>	---
Calcium	ppm	ASTM D5185m	<b>4</b>	---
Phosphorus	ppm	ASTM D5185m	<b>189</b>	---
Zinc	ppm	ASTM D5185m	<b>85</b>	---
Sulfur	ppm	ASTM D5185m	<b>1426</b>	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	---
Sodium	ppm	ASTM D5185m	<b>1</b>	---
Potassium	ppm	ASTM D5185m >20	<b>1</b>	---
Water	%	ASTM D6304 >0.6	<b>0.002</b>	---
ppm Water	ppm	ASTM D6304 >6000	<b>18.3</b>	---

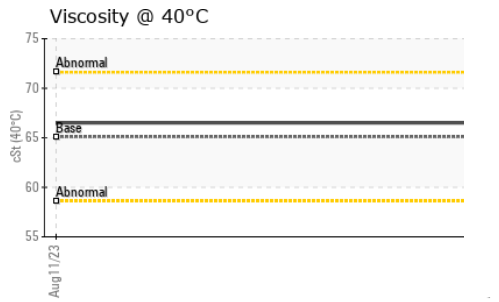
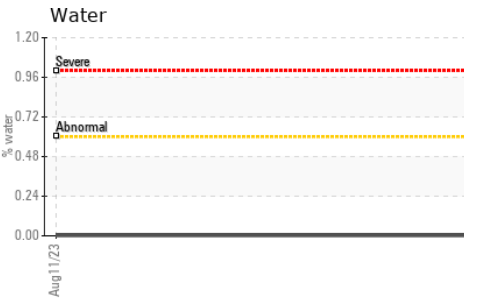
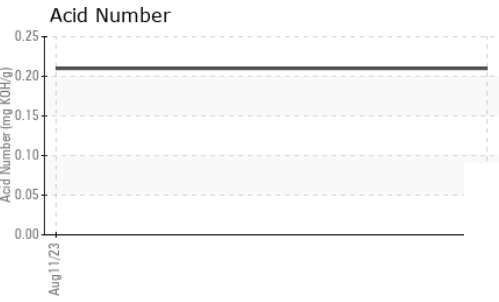
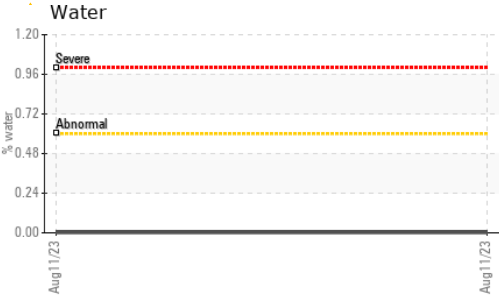
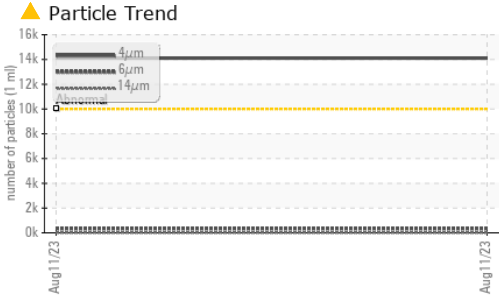
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>▲ 14105</b>	---
Particles >6µm	ASTM D7647	>2500	<b>338</b>	---
Particles >14µm	ASTM D7647	>320	<b>13</b>	---
Particles >21µm	ASTM D7647	>80	<b>3</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>▲ 21/16/11</b>	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.21</b>	---

# OIL ANALYSIS REPORT



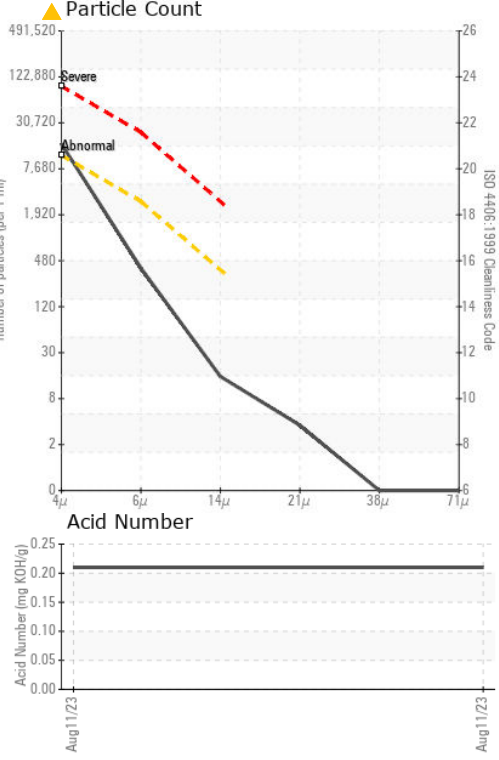
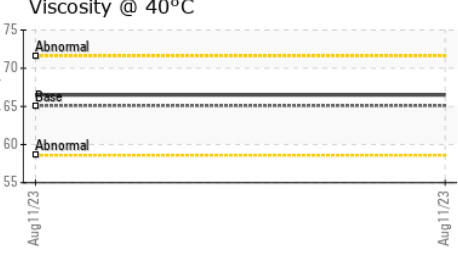
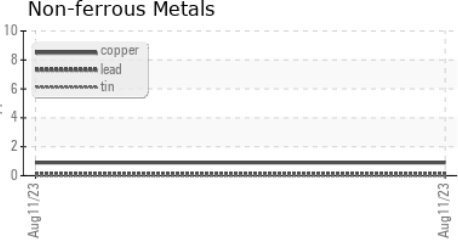
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.6	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	65.1	66.5	---

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

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0776552 **Received** : 17 Aug 2023  
**Lab Number** : 05927228 **Diagnosed** : 18 Aug 2023  
**Unique Number** : 10607175 **Diagnostician** : Don Baldrige  
**Test Package** : PLANT

**CASCADES CONTAINERBOARD PACKAGING - BEARPACK PROJECT**  
 10026 OLD RIDGE ROAD  
 ASHLAND, VA  
 US 23005  
 Contact: MARC-ANDRE HUBERT  
 marc-andre\_hubert@cascades.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)