

# PROBLEM SUMMARY

Sample Rating Trend



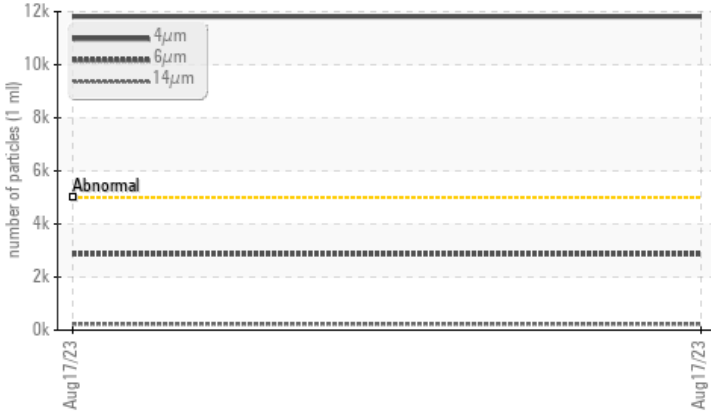
ISO



Machine Id  
**00157 SHEAR #2**  
Component  
**Hydraulic System**  
Fluid  
**NOT GIVEN (--- GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

## PROBLEMATIC TEST RESULTS

Sample Status	ASTM D7647	ISO 4406 (c)	ABNORMAL	---	---
Particles >4µm	>5000	▲ 11812	---	---	---
Particles >6µm	>1300	▲ 2864	---	---	---
Particles >14µm	>160	▲ 232	---	---	---
Oil Cleanliness	>19/17/14	▲ 21/19/15	---	---	---

Customer Id: TRI123WIN  
Sample No.: PC0076081  
Lab Number: 02578302  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Kevin Marson +1 (289)291-4644 x4644  
[Kevin.Marson@wearcheck.com](mailto:Kevin.Marson@wearcheck.com)

To change component or sample information:  
Gloria Gonzalez +1 (289)291-4643 x4643  
[gloria.gonzalez@wearcheck.com](mailto:gloria.gonzalez@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

## HISTORICAL DIAGNOSIS



Machine Id  
**00157 SHEAR #2**  
Component  
**Hydraulic System**  
Fluid  
**NOT GIVEN (--- GAL)**



**DIAGNOSIS**

**Recommendation**  
We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

**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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

**SAMPLE INFORMATION**

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PC0076081</b>	---	---
Sample Date	Client Info	<b>17 Aug 2023</b>	---	---
Machine Age	mths Client Info	<b>0</b>	---	---
Oil Age	mths Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

**WEAR METALS**

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185(m) >20	<b>3</b>	---	---
Chromium ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Nickel ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Titanium ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Lead ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Copper ppm	ASTM D5185(m) >75	<b>&lt;1</b>	---	---
Tin ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Antimony ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Vanadium ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

**ADDITIVES**

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Barium ppm	ASTM D5185(m)	<b>0</b>	---	---
Molybdenum ppm	ASTM D5185(m)	<b>0</b>	---	---
Manganese ppm	ASTM D5185(m)	<b>0</b>	---	---
Magnesium ppm	ASTM D5185(m)	<b>5</b>	---	---
Calcium ppm	ASTM D5185(m)	<b>144</b>	---	---
Phosphorus ppm	ASTM D5185(m)	<b>263</b>	---	---
Zinc ppm	ASTM D5185(m)	<b>330</b>	---	---
Sulfur ppm	ASTM D5185(m)	<b>603</b>	---	---
Lithium ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

**CONTAMINANTS**

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185(m) >20	<b>1</b>	---	---
Sodium ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Potassium ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---

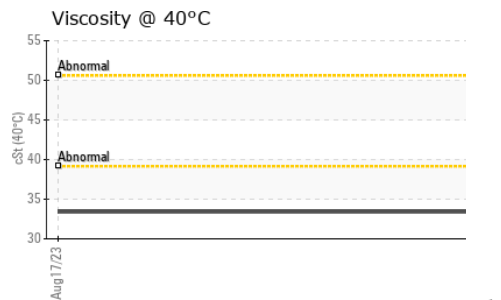
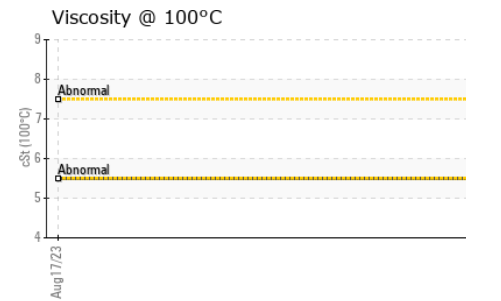
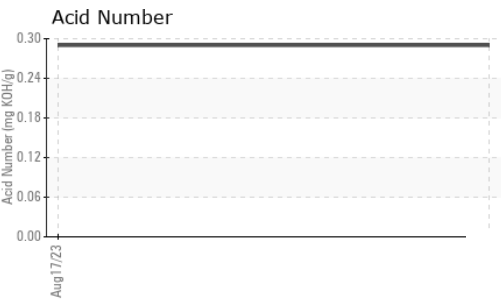
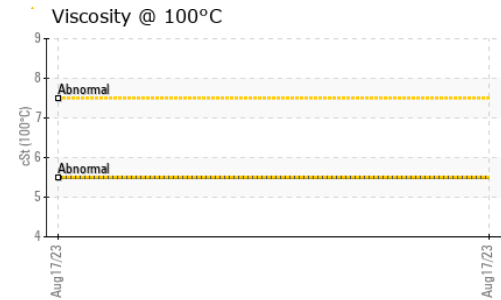
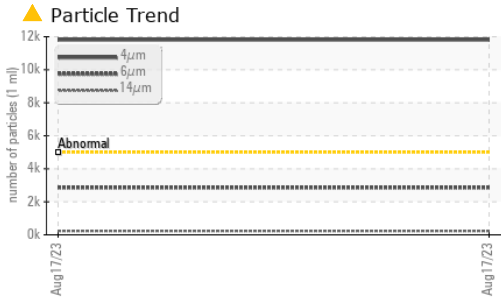
**FLUID CLEANLINESS**

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	<b>▲ 11812</b>	---	---
Particles >6µm	ASTM D7647 >1300	<b>▲ 2864</b>	---	---
Particles >14µm	ASTM D7647 >160	<b>▲ 232</b>	---	---
Particles >21µm	ASTM D7647 >40	<b>50</b>	---	---
Particles >38µm	ASTM D7647 >10	<b>2</b>	---	---
Particles >71µm	ASTM D7647 >3	<b>1</b>	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	<b>▲ 21/19/15</b>	---	---

**FLUID DEGRADATION**

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D974*	<b>0.29</b>	---	---

# OIL ANALYSIS REPORT

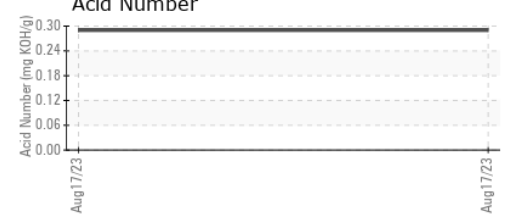
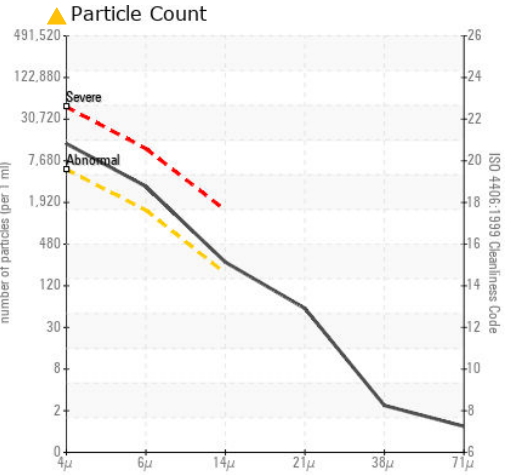
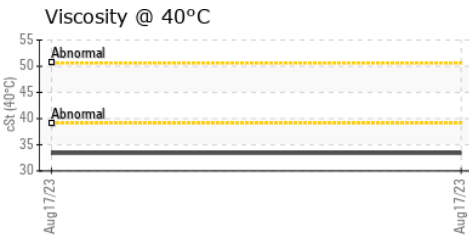
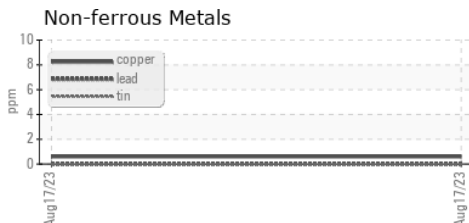
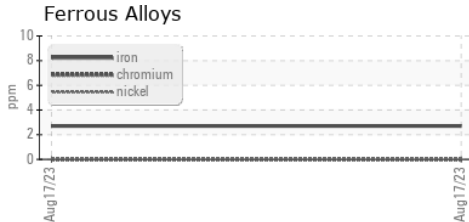


PROPERTY	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

PROPERTY	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	33.4	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	5.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	99	---	---

PROPERTY	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0076081  
**Lab Number** : 02578302  
**Unique Number** : 5631362  
**Test Package** : IND 2 ( Additional Tests: KV100, VI )  
**Received** : 24 Aug 2023  
**Diagnosed** : 28 Aug 2023  
**Diagnostician** : Kevin Marson

**TRIPLE E RV**  
 BOX # 1230  
 WINKLER, MB  
 CA R6W 4C4  
 Contact: Bob Friesen  
 maintenance@tripleerv.com  
 T: (204)325-4361  
 F: (204)325-5241

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.