



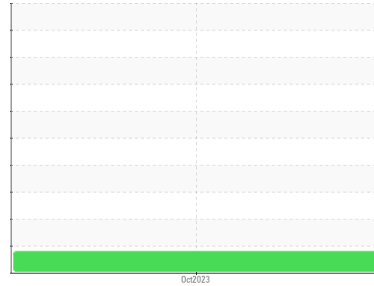
# PROBLEM SUMMARY

Sample Rating Trend

ISO

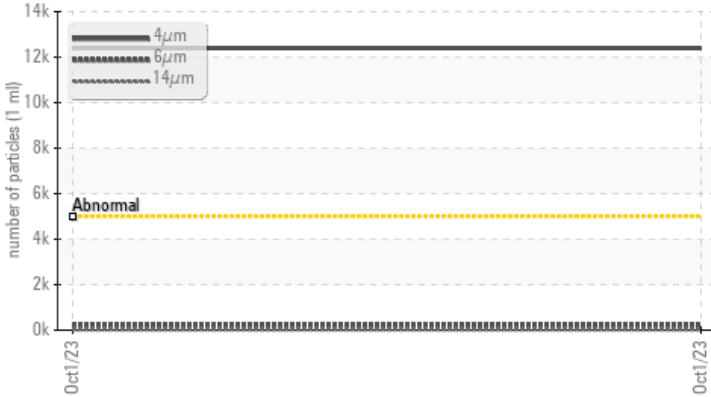


Area  
**PLANT 1**  
 Machine Id  
**BAY 4 SLT**  
 Component  
**2 Hydraulic System**  
 Fluid  
**COMMERCIAL OIL LUBRIKO AW 46 (100 LTR)**



## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

## PROBLEMATIC TEST RESULTS

Sample Status			<b>ABNORMAL</b>	---	---
Particles >4µm	ASTM D7647	>5000	▲ <b>12399</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ <b>21/15/11</b>	---	---

Customer Id: TAYSTO  
 Sample No.: WC0754643  
 Lab Number: 02590029  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Wes Davis +1 905-569-8600 x223  
[wesd@wearcheck.ca](mailto:wesd@wearcheck.ca)

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 component make and model with your next sample.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area  
**PLANT 1**  
 Machine Id  
**BAY 4 SLT**  
 Component  
**2 Hydraulic System**  
 Fluid  
**COMMERCIAL OIL LUBRIKO AW 46 (100 LTR)**

## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the component make and model with 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>WC0754643</b>	---	---
Sample Date	Client Info	<b>01 Oct 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>Not Changed</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185(m) >20	<b>14</b>	---	---
Chromium ppm	ASTM D5185(m) >10	<b>&lt;1</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>&lt;1</b>	---	---
Aluminum ppm	ASTM D5185(m) >10	<b>3</b>	---	---
Lead ppm	ASTM D5185(m) >10	<b>4</b>	---	---
Copper ppm	ASTM D5185(m) >75	<b>15</b>	---	---
Tin ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Antimony ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Barium ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Molybdenum ppm	ASTM D5185(m)	<b>0</b>	---	---
Manganese ppm	ASTM D5185(m)	<b>0</b>	---	---
Magnesium ppm	ASTM D5185(m)	<b>9</b>	---	---
Calcium ppm	ASTM D5185(m)	<b>41</b>	---	---
Phosphorus ppm	ASTM D5185(m)	<b>322</b>	---	---
Zinc ppm	ASTM D5185(m)	<b>414</b>	---	---
Sulfur ppm	ASTM D5185(m)	<b>2199</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>0</b>	---	---

## FLUID CLEANLINESS

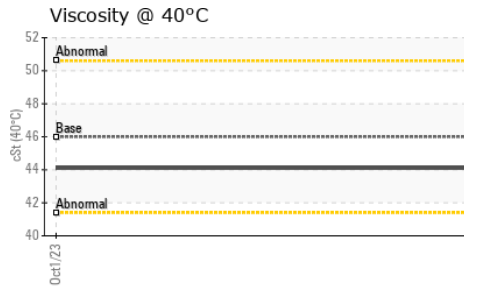
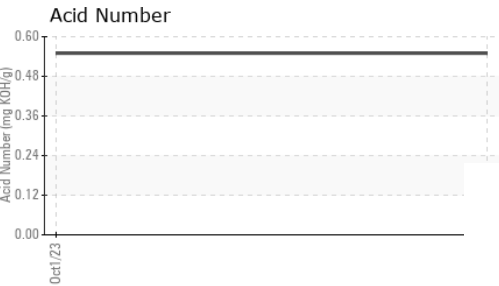
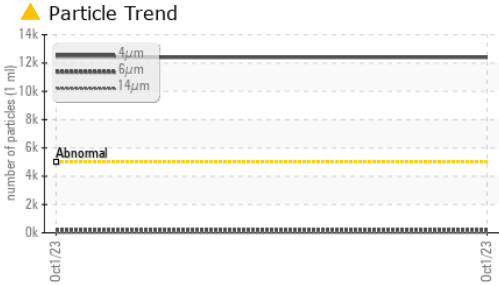
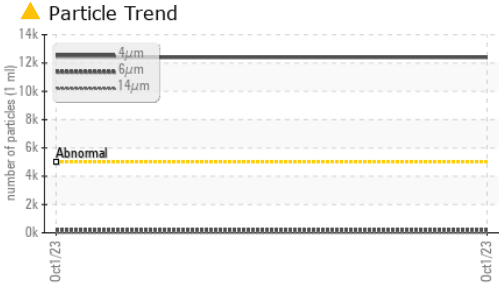
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	<b>▲ 12399</b>	---	---
Particles >6µm	ASTM D7647 >1300	<b>216</b>	---	---
Particles >14µm	ASTM D7647 >160	<b>15</b>	---	---
Particles >21µm	ASTM D7647 >40	<b>4</b>	---	---
Particles >38µm	ASTM D7647 >10	<b>1</b>	---	---
Particles >71µm	ASTM D7647 >3	<b>1</b>	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	<b>▲ 21/15/11</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D974*	<b>0.55</b>	---	---



# OIL ANALYSIS REPORT



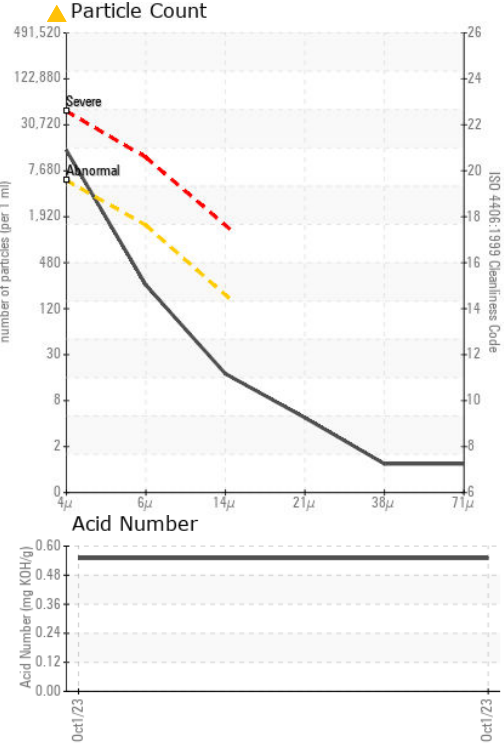
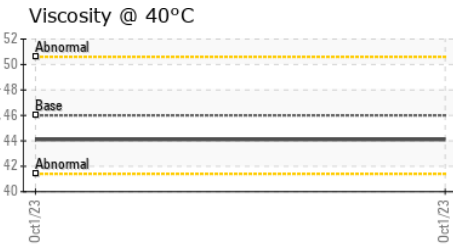
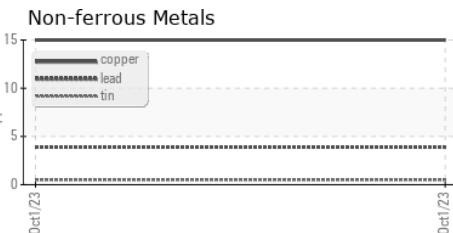
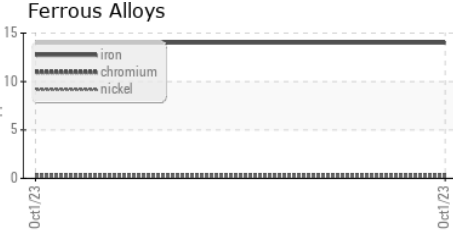
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	46	44.1	---

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 - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0754643 **Received** : 18 Oct 2023  
**Lab Number** : 02590029 **Diagnosed** : 19 Oct 2023  
**Unique Number** : 5659095 **Diagnostician** : Wes Davis  
**Test Package** : IND 2

**TAYLOR STEEL**  
 484 ARVIN AVE  
 STONEY CREEK, ON  
 CA L8E 2M9  
 Contact: George Campanaro  
 gcampanaro@taylorsteel.com  
 T: (905)662-4925  
 F: (905)662-4928

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.