

# PROBLEM SUMMARY

Sample Rating Trend



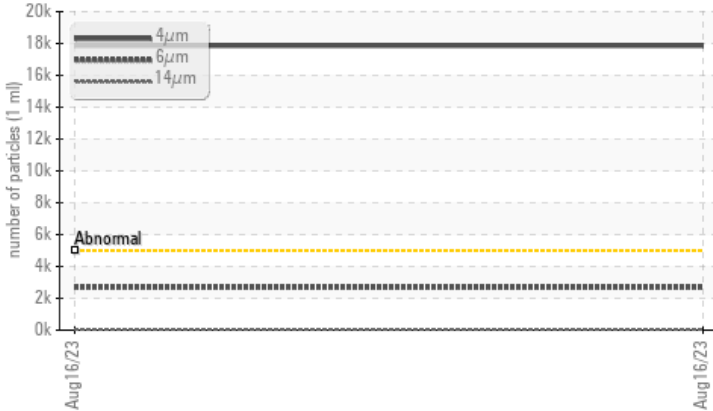
ISO



Machine Id  
**17P111**  
Component  
**Unknown Component**  
Fluid  
**NOT GIVEN (--- GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. 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. Please specify the component make and model with your next sample. Please provide more complete information on your next sample.

## PROBLEMATIC TEST RESULTS

Sample Status			<b>ABNORMAL</b>	---	---
Particles >4µm	ASTM D7647	>5000	<b>▲ 17857</b>	---	---
Particles >6µm	ASTM D7647	>1300	<b>▲ 2681</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>▲ 21/19/13</b>	---	---

**Customer Id:** PETMIS  
**Sample No.:** PC  
**Lab Number:** 02576768  
**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.
Alert	---	---	?	Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment.
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. Please specify the component make and model with your next sample. Please provide more complete information on your next sample.

## HISTORICAL DIAGNOSIS



Machine Id  
**17P111**  
Component  
**Unknown Component**  
Fluid  
**NOT GIVEN (--- GAL)**



## DIAGNOSIS

### Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. 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. Please specify the component make and model with your next sample. Please provide more complete information on your next sample.

### Wear

Component wear rates appear to be normal (unconfirmed).

### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the sample.

### Fluid Condition

The AN level is acceptable for this fluid. The sample 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>PC</b>	---	---
Sample Date	Client Info	<b>16 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>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)		<b>1</b>	---	---
Chromium ppm ASTM D5185(m)		<b>0</b>	---	---
Nickel ppm ASTM D5185(m)		<b>0</b>	---	---
Titanium ppm ASTM D5185(m)		<b>0</b>	---	---
Silver ppm ASTM D5185(m)		<b>0</b>	---	---
Aluminum ppm ASTM D5185(m)		<b>0</b>	---	---
Lead ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Copper ppm ASTM D5185(m)		<b>27</b>	---	---
Tin ppm ASTM D5185(m)		<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>0</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>0</b>	---	---
Calcium ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Phosphorus ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Zinc ppm ASTM D5185(m)		<b>2</b>	---	---
Sulfur ppm ASTM D5185(m)		<b>676</b>	---	---
Lithium ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)		<b>0</b>	---	---
Sodium ppm ASTM D5185(m)		<b>0</b>	---	---
Potassium ppm ASTM D5185(m)	>20	<b>0</b>	---	---

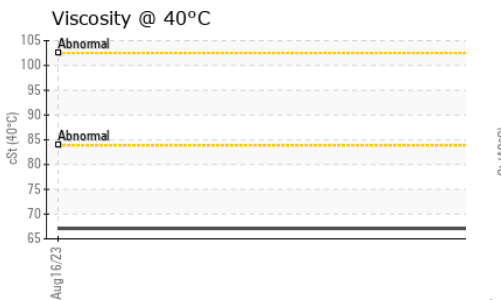
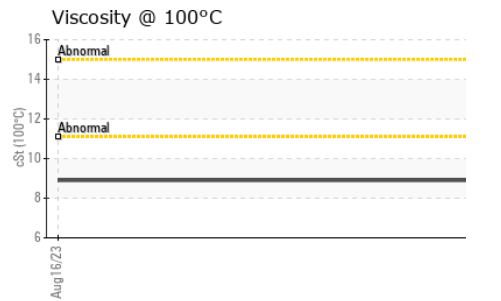
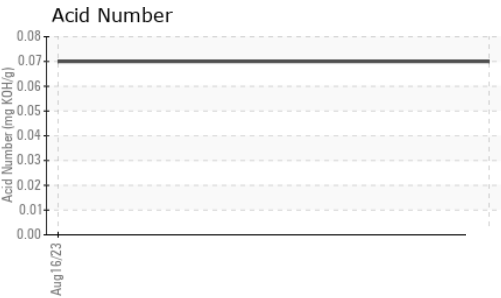
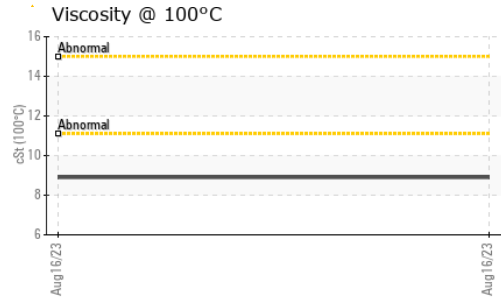
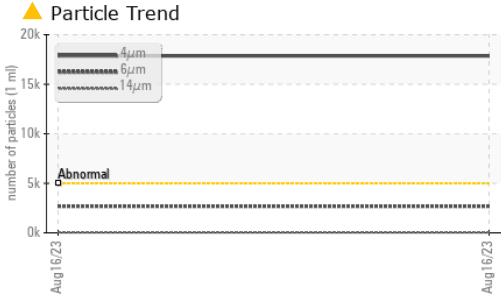
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>5000	<b>▲ 17857</b>	---	---
Particles >6µm ASTM D7647	>1300	<b>▲ 2681</b>	---	---
Particles >14µm ASTM D7647	>160	<b>47</b>	---	---
Particles >21µm ASTM D7647	>40	<b>7</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>▲ 21/19/13</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D974*		<b>0.07</b>	---	---

# OIL ANALYSIS REPORT

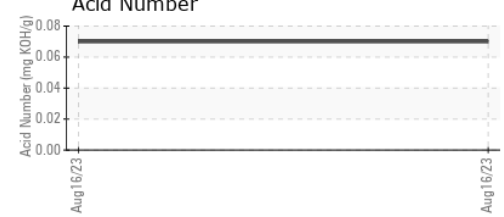
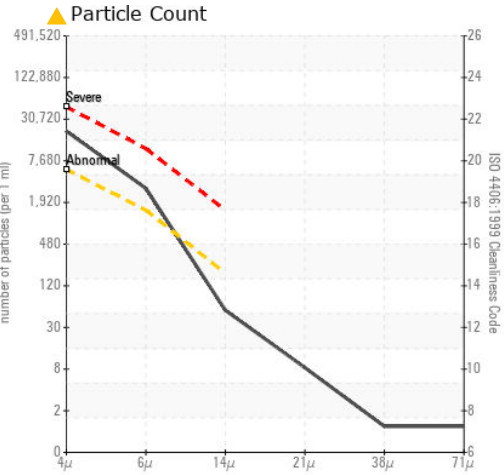
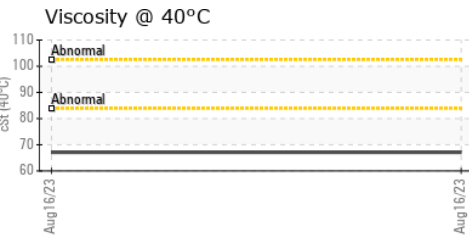
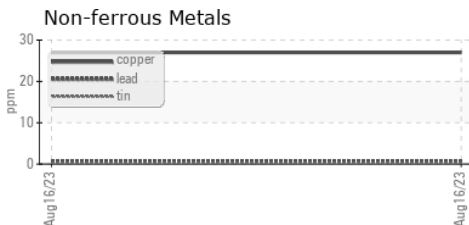
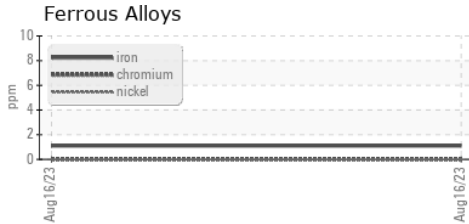


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	67.1	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.9	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	106	---	---

SAMPLE IMAGES	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.** : PC **Received** : 18 Aug 2023  
**Lab Number** : 02576768 **Diagnosed** : 22 Aug 2023  
**Unique Number** : 5629828 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KV100, VI )

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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.