



# PROBLEM SUMMARY

## Sample Rating Trend



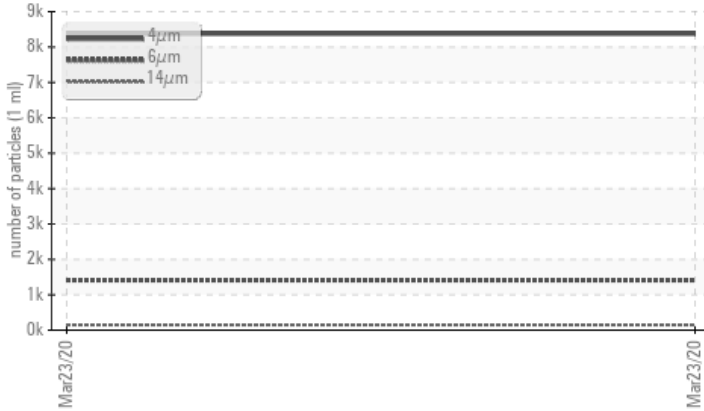
ISO



Area  
**Evonik [20128372039]**  
 Machine Id  
**A710205**  
 Component  
**Gear Drive**  
 Fluid  
**MOBIL SHC 630 (--- 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.

## PROBLEMATIC TEST RESULTS

Sample Status			<b>ABNORMAL</b>	---	---
Particles >4µm	ASTM D7647		▲ <b>8377</b>	---	---
Particles >6µm	ASTM D7647		▲ <b>1412</b>	---	---
Particles >14µm	ASTM D7647		▲ <b>148</b>	---	---
Oil Cleanliness	ISO 4406 (c)		▲ <b>20/18/14</b>	---	---

**Customer Id:** EVOBLA  
**Sample No.:** SBP28372039  
**Lab Number:** 28372039  
**Test Package:** PLANT



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:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@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	---	---	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area  
**Evonik [20128372039]**  
 Machine Id  
**A710205**  
 Component  
**Gear Drive**  
 Fluid  
**MOBIL SHC 630 (--- 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.

### Wear

All component wear rates are normal.

### Contamination

Particles >14µm, particles >4µm and particles >6µm are abnormal. The water content is negligible.

### 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>SBP28372039</b>	---	---
Sample Date	Client Info	<b>23 Mar 2020</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
PQ	ASTM D8184*	<b>0</b>	---	---
Iron	ppm ASTM D5185(m)	<b>0</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>0</b>	---	---
Copper	ppm ASTM D5185(m)	<b>0</b>	---	---
Tin	ppm ASTM D5185(m)	<b>0</b>	---	---
Vanadium	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>3</b>	---	---
Phosphorus	ppm ASTM D5185(m)	<b>693</b>	---	---
Zinc	ppm ASTM D5185(m)	<b>2</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	<b>11</b>	---	---
Sodium	ppm ASTM D5185(m)	<b>0</b>	---	---
Potassium	ppm ASTM D5185(m)	<b>0</b>	---	---
Chlorine	ppm ASTM D5185(m)	<b>0</b>	---	---
Water	% ASTM D6304*	<b>0.003</b>	---	---

## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>▲ 8377</b>	---	---
Particles >6µm	ASTM D7647	<b>▲ 1412</b>	---	---
Particles >14µm	ASTM D7647	<b>▲ 148</b>	---	---
Oil Cleanliness	ISO 4406 (c)	<b>▲ 20/18/14</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*	<b>0.42</b>	---	---

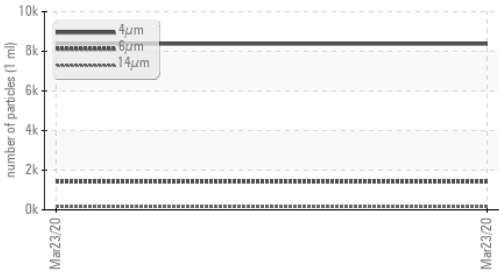
## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D7279(m)	<b>227.2</b>	---	---



# OIL ANALYSIS REPORT

### ▲ Particle Trend



### SAMPLE IMAGES

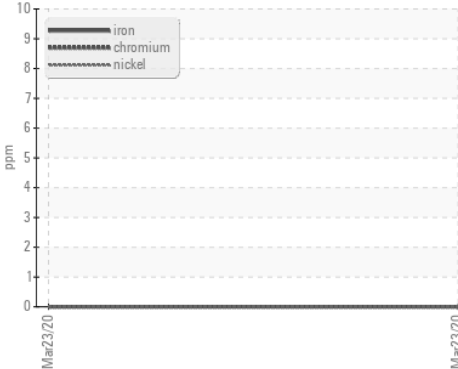
method	limit/base	current	history1	history2
Color		no image	no image	no image
Bottom		no image	no image	no image

### GRAPHS

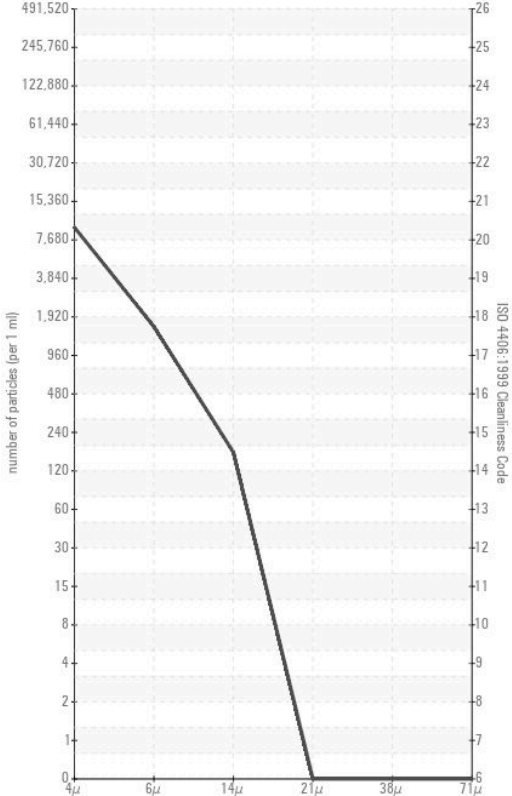
### Water



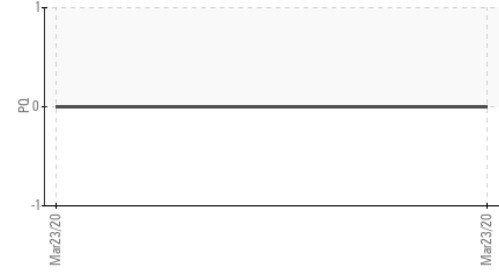
### Ferrous Alloys



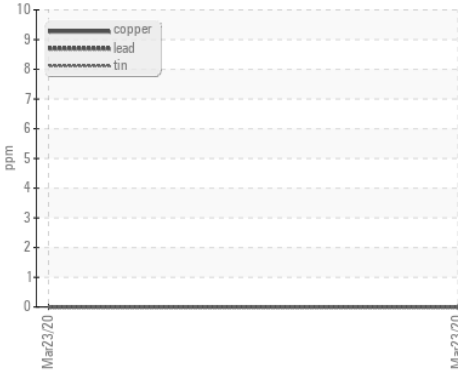
### ▲ Particle Count



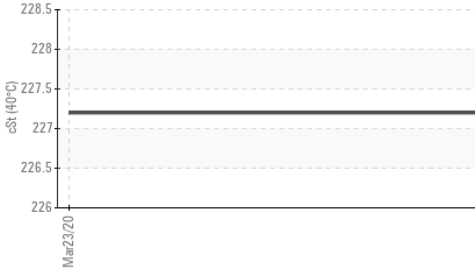
### PQ



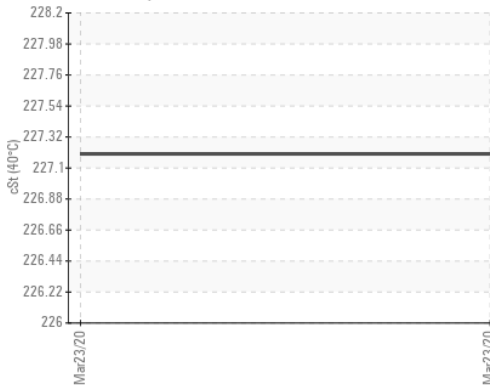
### Non-ferrous Metals



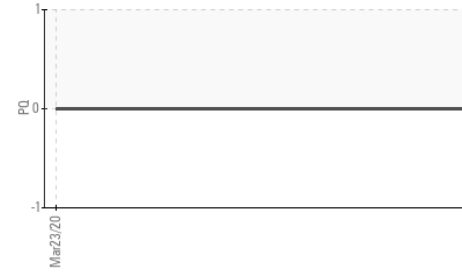
### Viscosity @ 40°C



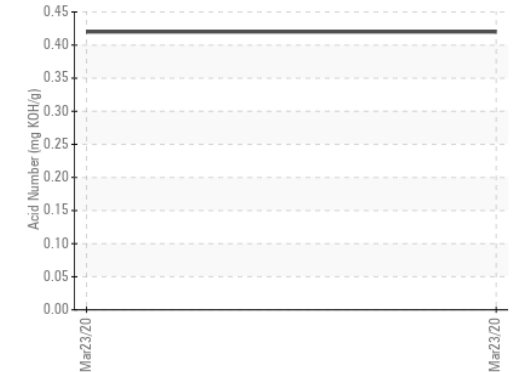
### Viscosity @ 40°C



### PQ



### Acid Number



**Laboratory** : WearCheck -  
**Sample No.** : SBP28372039     **Received** : 07 May 2020  
**Lab Number** : 28372039     **Diagnosed** : 22 Jul 2021  
**Unique Number** : 14442353     **Diagnostician** : Wes Davis  
**Test Package** : PLANT ( Additional Tests: ICP, KF, KV40, PQ, PrtCount, TAN Auto )  
*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.*

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