



# PROBLEM SUMMARY

Sample Rating Trend

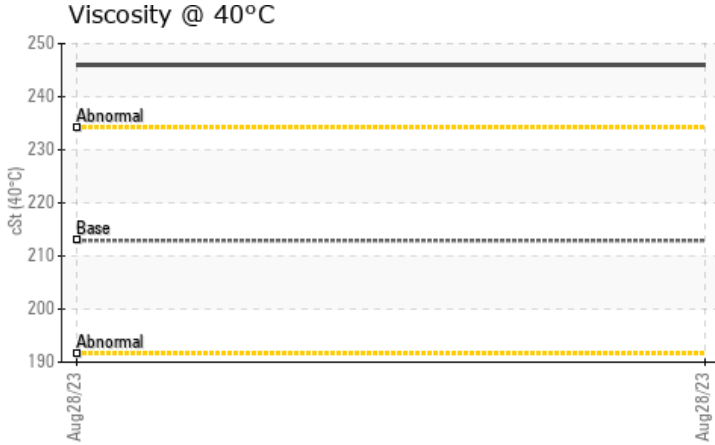


**WATER**



Machine Id  
**GAULIN HOMOGENIZER**  
 Component  
**Gearbox**  
 Fluid  
**SWEPCO 757 ISO 220 (--- GAL)**

## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. We advise that you follow the water drain-off procedure for 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				ABNORMAL	---	---
Appearance	scalar	Visual*	NORML	▲ WGOIL	---	---
Free Water	scalar	Visual*		▲ 1%	---	---

Customer Id: HEXEDM  
 Sample No.: WC0820461  
 Lab Number: 02580532  
 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
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for 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.
Check Water Access	---	---	?	We advise that you check for the source of water entry.
Check Seals	---	---	?	Check seals and/or filters for points of contaminant entry.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend

**WATER**



## Machine Id **GAULIN HOMOGENIZER**

Component  
**Gearbox**  
Fluid  
**SWPECO 757 ISO 220 (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. We advise that you follow the water drain-off procedure for 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

Free water present.

#### Fluid Condition

The oil viscosity is higher than typical. 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>WC0820461</b>	---	---
Sample Date	Client Info	<b>28 Aug 2023</b>	---	---
Machine Age	days	<b>60</b>	---	---
Oil Age	days	<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) >200	<b>&lt;1</b>	---
Chromium	ppm	ASTM D5185(m) >15	<b>0</b>	---
Nickel	ppm	ASTM D5185(m) >15	<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) >25	<b>0</b>	---
Lead	ppm	ASTM D5185(m) >100	<b>&lt;1</b>	---
Copper	ppm	ASTM D5185(m) >200	<b>1</b>	---
Tin	ppm	ASTM D5185(m) >25	<b>0</b>	---
Antimony	ppm	ASTM D5185(m) >5	<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>&lt;1</b>	---
Calcium	ppm	ASTM D5185(m)	<b>3</b>	---
Phosphorus	ppm	ASTM D5185(m)	<b>13</b>	---
Zinc	ppm	ASTM D5185(m)	<b>2</b>	---
Sulfur	ppm	ASTM D5185(m)	<b>2770</b>	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---

### CONTAMINANTS

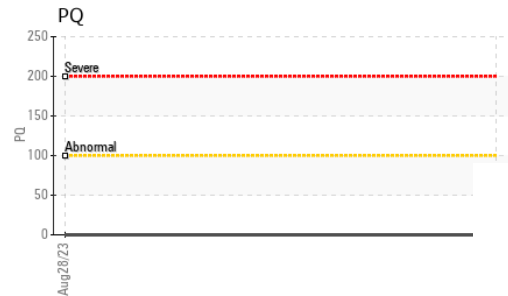
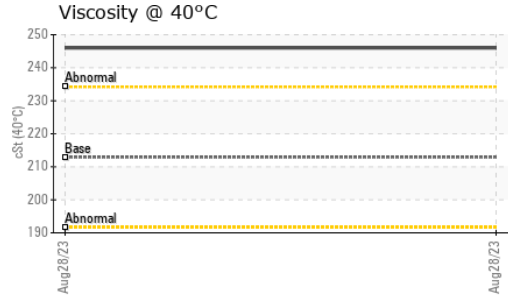
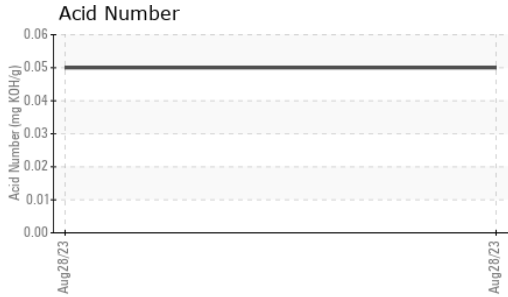
method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>7</b>	---
Sodium	ppm	ASTM D5185(m)	<b>4</b>	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---

### FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>0.05</b>	---



# OIL ANALYSIS REPORT



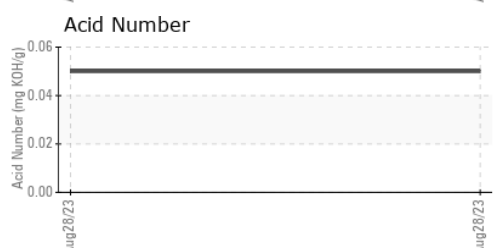
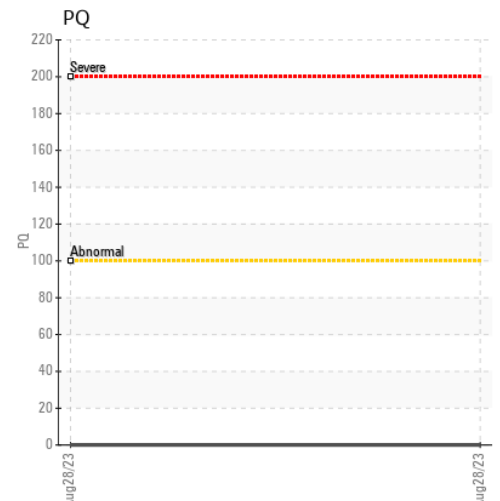
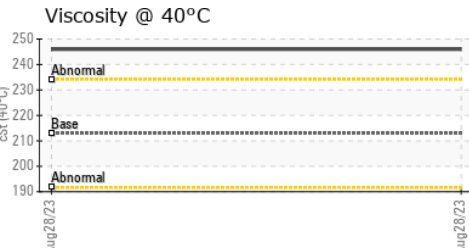
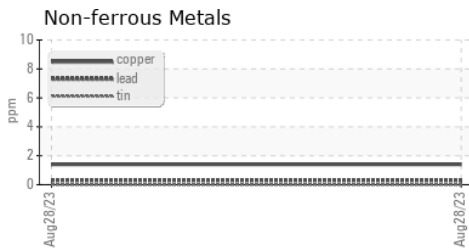
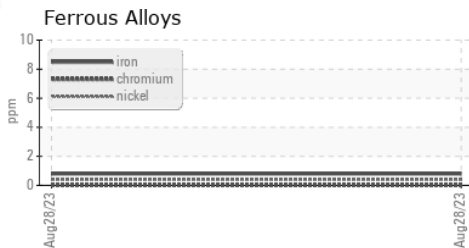
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	VLITE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	▲ WGOIL	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	.2%	---	---
Free Water	scalar	Visual*		▲ 1%	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	212.9	246	---	---

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 Hexion Canada Inc. - EDMONTON PLANT  
**Sample No.** : WC0820461 **Received** : 05 Sep 2023 12621 - 156th Street NW  
**Lab Number** : 02580532 **Diagnosed** : 06 Sep 2023 Edmonton, AB  
**Unique Number** : 5633592 **Diagnostician** : Kevin Marson CA T5V 1E1  
**Test Package** : IND 2 ( Additional Tests: TAN Man ) Contact: Scott Mckenzie  
scott.mckenzie@henxion.com

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.