



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**Project**

**[Project] IERA 0002D24890**

Machine Id

Component

**2 Test Point**  
Fluid  
**SKYDROL LD-4 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.  
NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. There is no indication of any contamination in the oil. The system and fluid cleanliness is acceptable.

### 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>WC0934928</b>	---	---
Sample Date	Client Info	<b>13 Jun 2024</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>NORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)		<b>3</b>	---	---
Chromium ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Nickel ppm ASTM D5185(m)		<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)		<b>&lt;1</b>	---	---
Lead ppm ASTM D5185(m)		<b>0</b>	---	---
Copper ppm ASTM D5185(m)		<b>12</b>	---	---
Tin ppm ASTM D5185(m)		<b>0</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>&lt;1</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185(m)	0	<b>2</b>	---	---
Barium ppm ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Molybdenum ppm ASTM D5185(m)	0	<b>0</b>	---	---
Manganese ppm ASTM D5185(m)		<b>0</b>	---	---
Magnesium ppm ASTM D5185(m)	0	<b>0</b>	---	---
Calcium ppm ASTM D5185(m)	0	<b>4</b>	---	---
Phosphorus ppm ASTM D5185(m)	20000	<b>44295</b>	---	---
Zinc ppm ASTM D5185(m)	0	<b>12</b>	---	---
Sulfur ppm ASTM D5185(m)	1900	<b>1639</b>	---	---
Lithium ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

## CONTAMINANTS

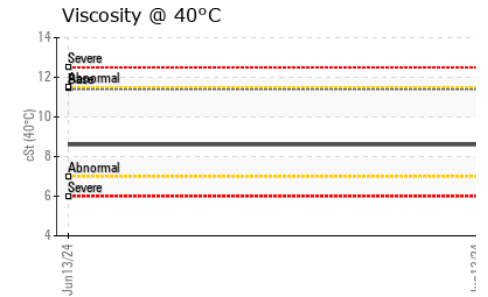
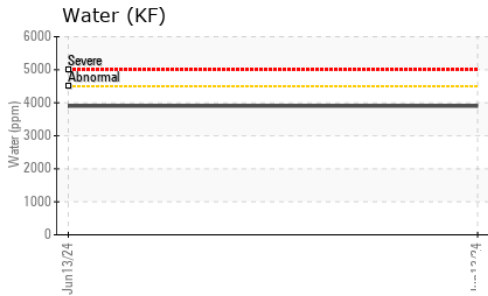
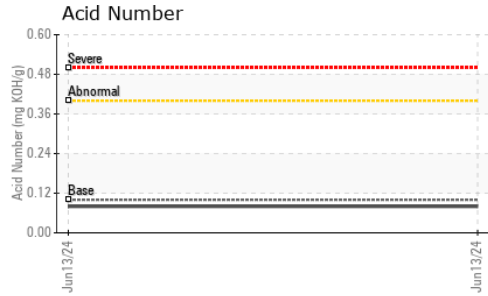
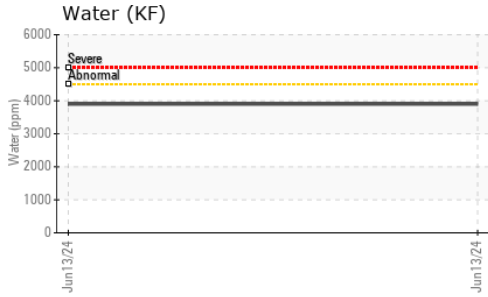
method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)		<b>1</b>	---	---
Sodium ppm ASTM D5185(m)		<b>3</b>	---	---
Potassium ppm ASTM D5185(m)	>20	<b>18</b>	---	---
Water % ASTM D6304*	>0.45	<b>0.390</b>	---	---
ppm Water ppm ASTM D6304*	>4500	<b>3900</b>	---	---

## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles 5-15µm count NAS 1638	>32000	<b>8193</b>	---	---
Particles 15-25µm count NAS 1638	>5700	<b>287</b>	---	---
Particles 25-50µm count NAS 1638	>1012	<b>160</b>	---	---
Particles 50-100µm count NAS 1638	>180	<b>26</b>	---	---
Particles >100µm count NAS 1638	>32	<b>7</b>	---	---
NAS 1638 Class NAS 1638	>7	<b>6</b>	---	---



# OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	<b>0.08</b>	---	---

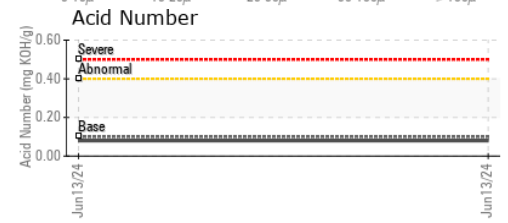
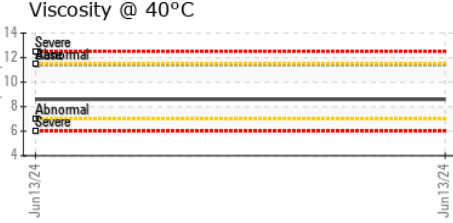
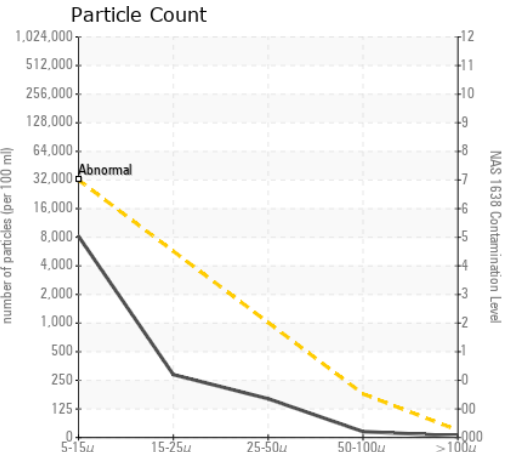
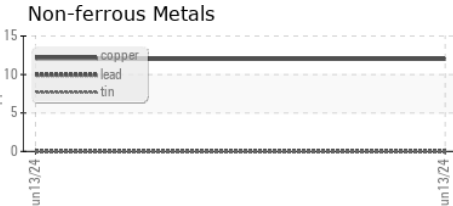
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.45	<b>NEG</b>	---	---
Free Water	scalar	Visual*		<b>NEG</b>	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	11.42	<b>8.6</b>	---	---

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.** : WC0934928      **Received** : 17 Jun 2024  
**Lab Number** : **02642446**      **Tested** : 20 Jun 2024  
**Unique Number** : 5799985      **Diagnosed** : 20 Jun 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount, PrtCountNAS, TAN Man )

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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.