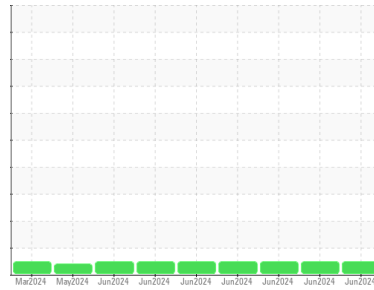




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**PU**  
 Machine Id  
**[PU] 77**  
 Component  
**Supply 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. ( Customer Sample Comment: Sample taken in bag. Hose punched through into open bottle )

#### 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>WC0741659</b>	WC0741658	WC0741657
Sample Date	Client Info	<b>28 Jun 2024</b>	28 Jun 2024	28 Jun 2024
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

### WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	<b>3</b>	3	3
Chromium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	<b>6</b>	6	6
Tin	ppm	ASTM D5185(m)	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

### ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	0	<b>2</b>	2
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0
Magnesium	ppm	ASTM D5185(m)	0	<b>0</b>	<1
Calcium	ppm	ASTM D5185(m)	0	<b>2</b>	2
Phosphorus	ppm	ASTM D5185(m)	20000	<b>35402</b>	35407
Zinc	ppm	ASTM D5185(m)	0	<b>4</b>	4
Sulfur	ppm	ASTM D5185(m)	1900	<b>1632</b>	1624
Lithium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1

### CONTAMINANTS

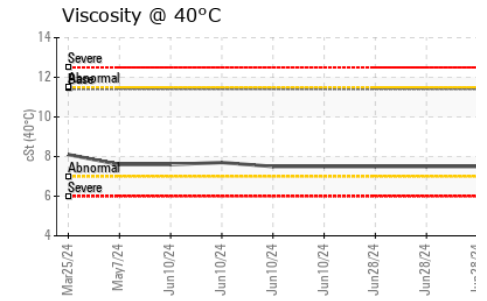
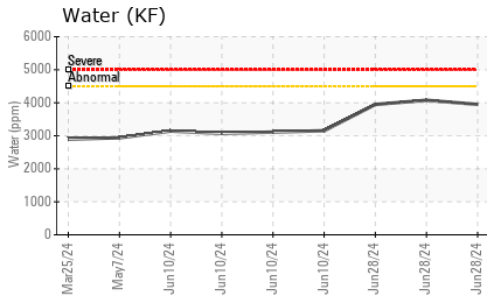
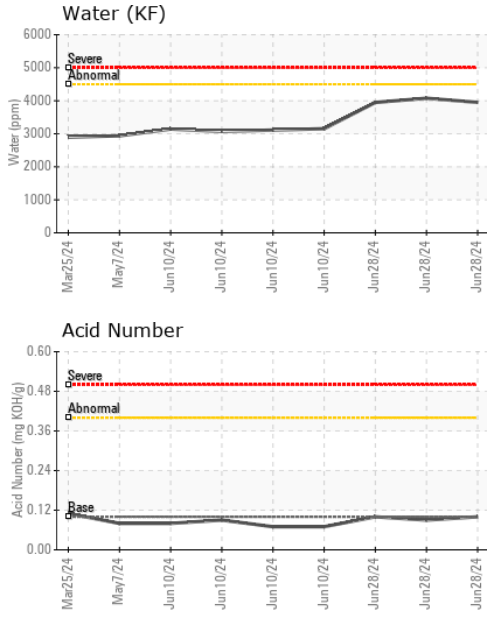
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Sodium	ppm	ASTM D5185(m)	<b>4</b>	3	5
Potassium	ppm	ASTM D5185(m)	>20	<b>19</b>	20
Water	%	ASTM D6304*	>0.45	<b>0.394</b>	0.407
ppm Water	ppm	ASTM D6304*	>4500	<b>3950</b>	4077

### FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles 5-15µm	count	NAS 1638	>32000	<b>3294</b>	4353
Particles 15-25µm	count	NAS 1638	>5700	<b>367</b>	206
Particles 25-50µm	count	NAS 1638	>1012	<b>100</b>	73
Particles 50-100µm	count	NAS 1638	>180	<b>13</b>	7
Particles >100µm	count	NAS 1638	>32	<b>0</b>	0
NAS 1638	Class	NAS 1638	>7	<b>4</b>	5



# OIL ANALYSIS REPORT

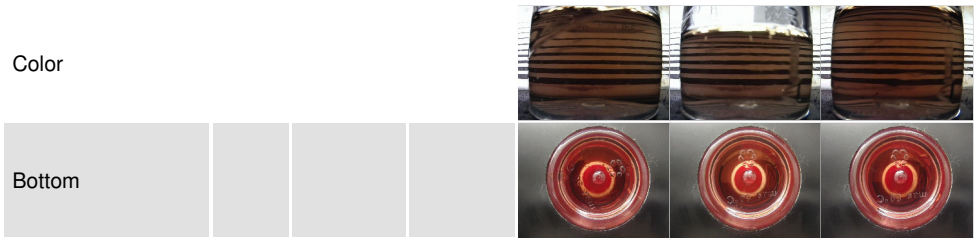


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	<b>0.10</b>	0.09	0.10

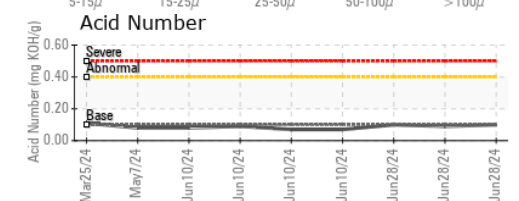
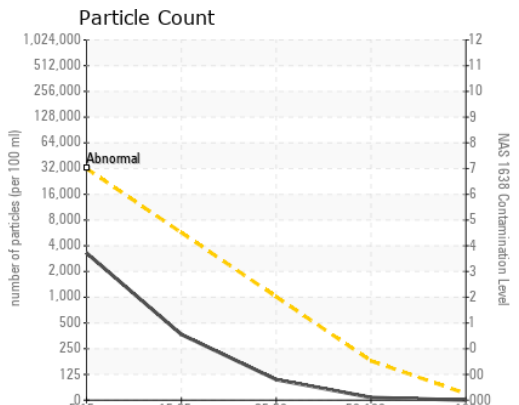
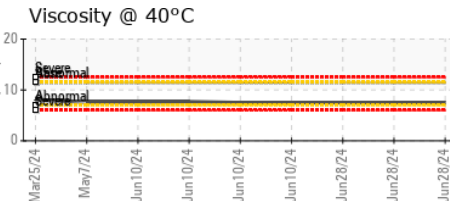
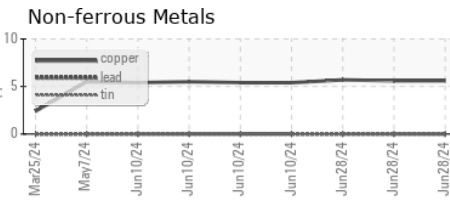
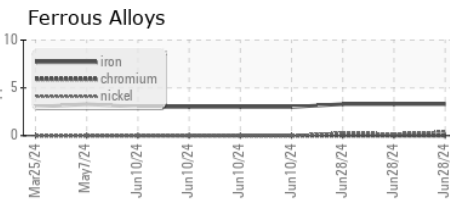
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	11.42	<b>7.5</b>	7.5	7.5

## SAMPLE IMAGES



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0741659 **Received** : 03 Jul 2024  
**Lab Number** : 02645358 **Tested** : 04 Jul 2024  
**Unique Number** : 5802897 **Diagnosed** : 05 Jul 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount, PrtCountNAS, TAN Man )

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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