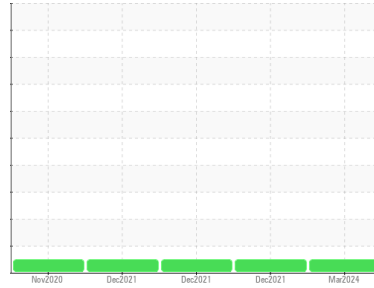




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
PU
 Machine Id
[PU] 78
 Component
Test Point
 Fluid
SKYDROL LD-4 (--- GAL)

DIAGNOSIS

Recommendation

The component was not specified so we have determined that this is a test point based on the fluid type in use. Please specify the correct component type on your next sample. 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		WC0741675	WC0493730	WC0493731
Sample Date	Client Info		11 Mar 2024	15 Dec 2021	13 Dec 2021
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	3	6	6
Chromium	ppm	ASTM D5185(m)	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	<1	<1	<1
Lead	ppm	ASTM D5185(m)	<1	<1	<1
Copper	ppm	ASTM D5185(m)	11	24	24
Tin	ppm	ASTM D5185(m)	0	<1	<1
Antimony	ppm	ASTM D5185(m)	0	0	<1
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	5	4
Barium	ppm	ASTM D5185(m)	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0
Manganese	ppm	ASTM D5185(m)	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	<1	<1	0
Calcium	ppm	ASTM D5185(m)	2	3	2
Phosphorus	ppm	ASTM D5185(m)	39837	37228	35676
Zinc	ppm	ASTM D5185(m)	10	9	8
Sulfur	ppm	ASTM D5185(m)	1725	1673	1696
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

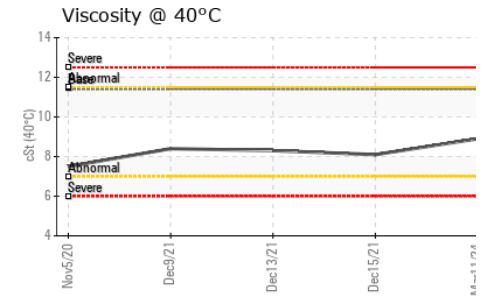
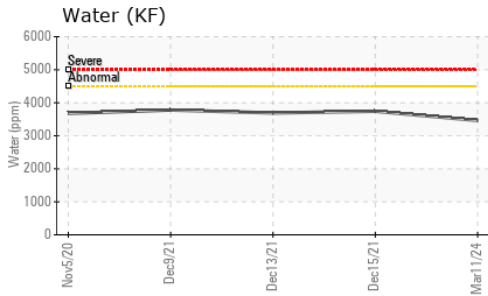
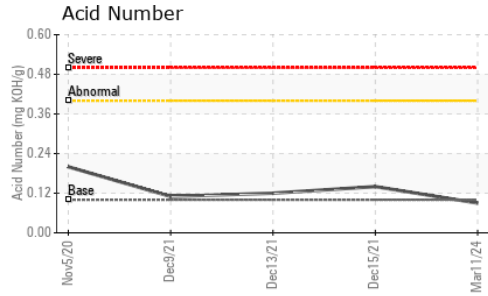
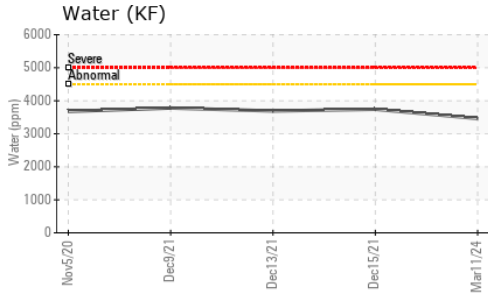
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1	1	1
Sodium	ppm	ASTM D5185(m)	4	3	4
Potassium	ppm	ASTM D5185(m)	>20	18	18
Water	%	ASTM D6304*	>0.45	0.374	0.369
ppm Water	ppm	ASTM D6304*	>4500	3742.2	3690.4

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles 5-15µm	count	NAS 1638	>32000	1747	2109
Particles 15-25µm	count	NAS 1638	>5700	326	116
Particles 25-50µm	count	NAS 1638	>1012	211	175
Particles 50-100µm	count	NAS 1638	>180	0	0
Particles >100µm	count	NAS 1638	>32	0	0
NAS 1638	Class	NAS 1638	>7	5	5



OIL ANALYSIS REPORT

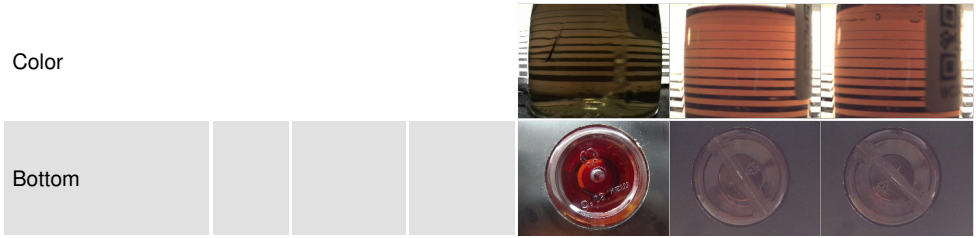


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	0.09	0.14	0.12

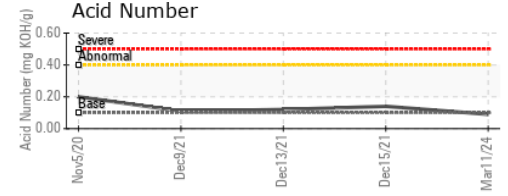
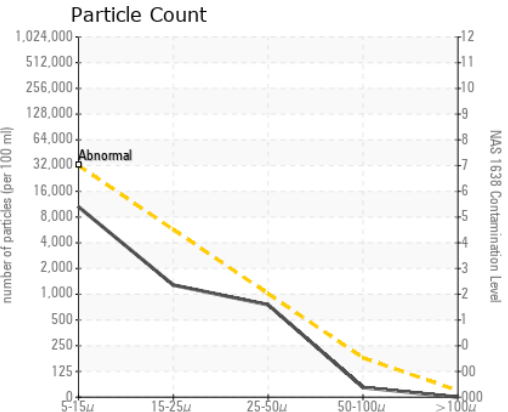
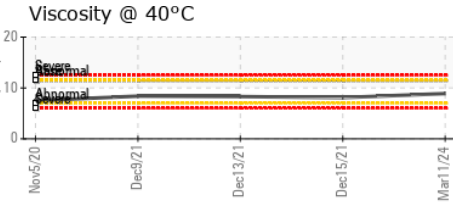
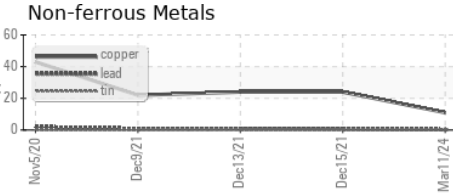
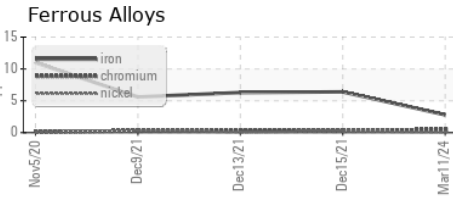
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	11.42	8.9	8.1	8.3

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0741675 **Received** : 13 Mar 2024
Lab Number : **02621877** **Tested** : 14 Mar 2024
Unique Number : 5746996 **Diagnosed** : 14 Mar 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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