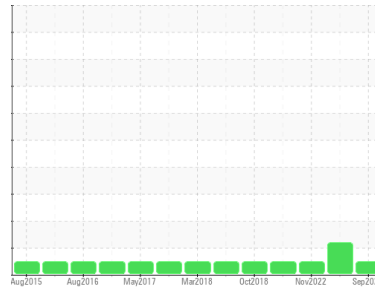




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
Compressors
 Machine Id
Low Stage #2 (S/N S0192RFMFTHAA03)
 Component
Rotary Compressor
 Fluid
FRICK COMPRESSOR OIL #3 (40 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

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	WC0861031	WC0861033	WC0752806	
Sample Date	Client Info	25 Sep 2023	25 Sep 2023	13 Nov 2022	
Machine Age	hrs	Client Info	75848	75087	73130
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	Changed	
Sample Status		NORMAL	ABNORMAL	NORMAL	

WEAR METALS

method	limit/base	current	history1	history2		
PQ	ASTM D8184*	0	0	0		
Iron	ppm	ASTM D5185(m)	>70	<1	0	<1
Chromium	ppm	ASTM D5185(m)	>10	0	<1	0
Nickel	ppm	ASTM D5185(m)		0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>3	0	0	<1
Lead	ppm	ASTM D5185(m)	>4	<1	0	0
Copper	ppm	ASTM D5185(m)	>20	<1	<1	0
Tin	ppm	ASTM D5185(m)	>3	0	0	0
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	0	0

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185(m)		<1	<1	0
Barium	ppm	ASTM D5185(m)		4	<1	6
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		0	1	0
Calcium	ppm	ASTM D5185(m)		3	1	0
Phosphorus	ppm	ASTM D5185(m)		0	159	0
Zinc	ppm	ASTM D5185(m)		<1	8	<1
Sulfur	ppm	ASTM D5185(m)		38	68	19
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

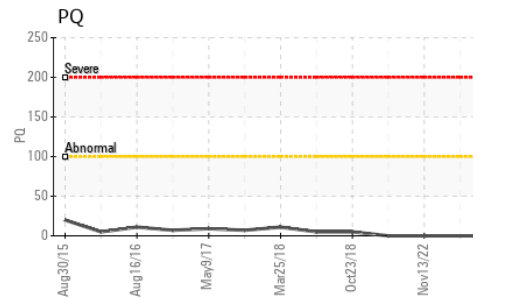
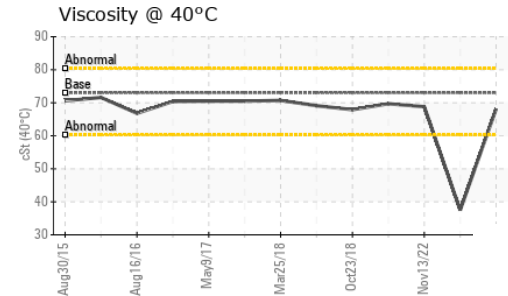
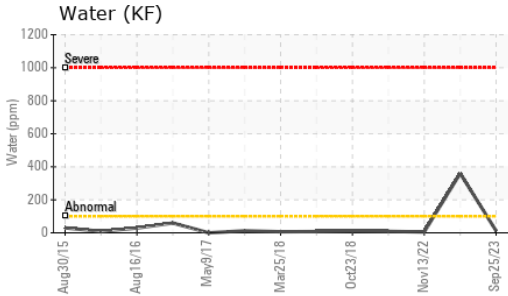
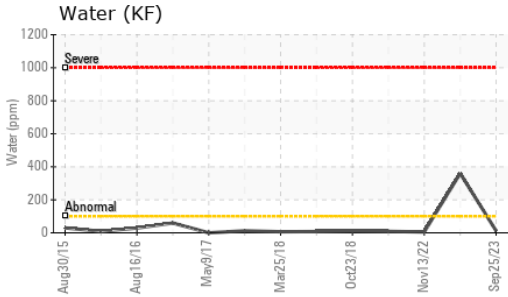
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Silicon	ppm	ASTM D5185(m)	>45	0	<1	0
Sodium	ppm	ASTM D5185(m)		<1	1	0
Potassium	ppm	ASTM D5185(m)	>20	0	0	<1
Water	%	ASTM D6304*	>0.6	0.001	0.036	0.001
ppm Water	ppm	ASTM D6304*		12.1	360.1	5.3

FLUID DEGRADATION

method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D974*		0.01	0.48	0.02



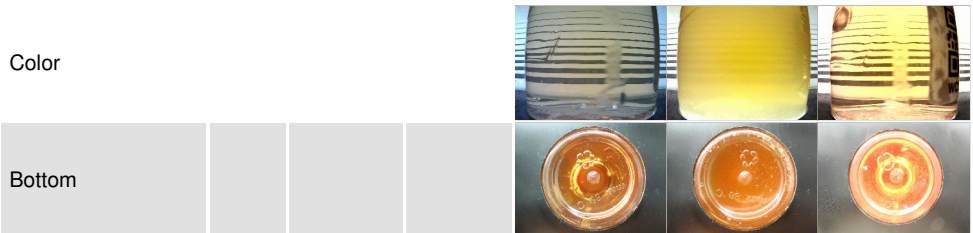
OIL ANALYSIS REPORT



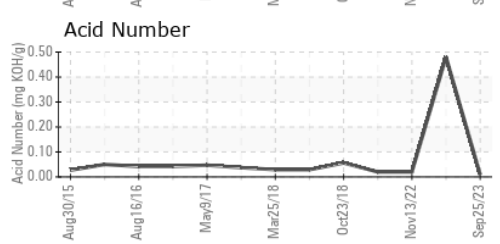
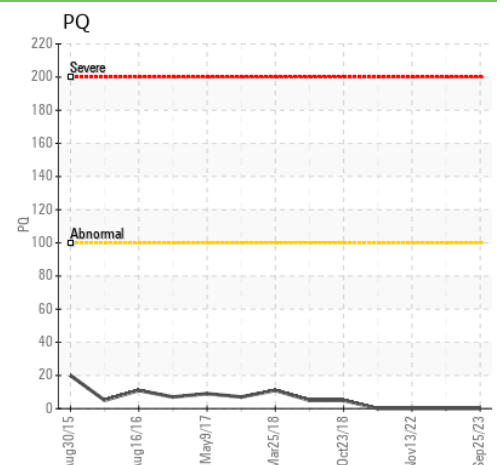
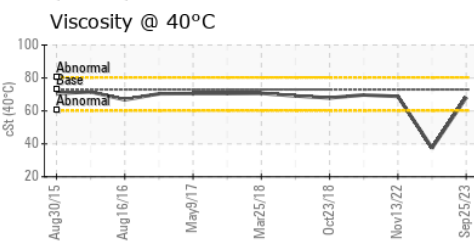
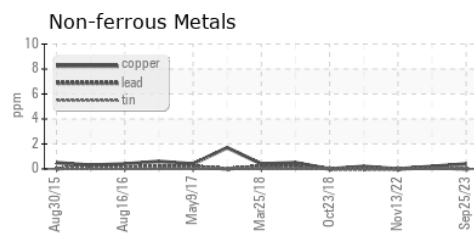
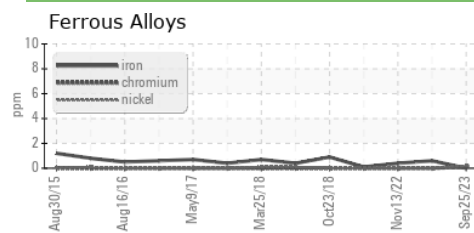
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	VLITE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	LIGHT
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	HAZY	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.6	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	73	68.1	37.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0861031 **Received** : 03 Oct 2023
Lab Number : 02586450 **Diagnosed** : 04 Oct 2023
Unique Number : 5655516 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: KF)

Cargill Ltd.
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 Guelph, ON
 CA N1L 1K8
 Contact: Eoin Roe
 eoin_roe@cargill.com
 T: (519)823-5200
 F: (416)748-5075

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.