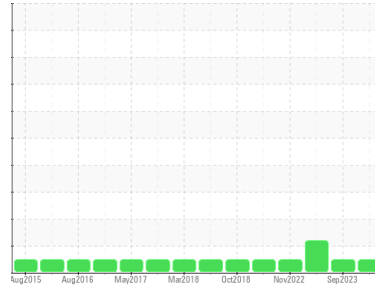




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
Compressors
 Machine Id
Low Stage #2 (S/N S0192RFMFTHAA03)
 Component
Rotary Compressor
 Fluid
PRIMARY FOOD GRADE 46 (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		WC0436633	WC0861031	WC0861033
Sample Date	Client Info		02 Oct 2023	25 Sep 2023	25 Sep 2023
Machine Age	hrs	Client Info	0	75848	75087
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Filtered	N/A	N/A
Sample Status			NORMAL	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m) >70	<1	<1	0
Chromium	ppm	ASTM D5185(m) >10	0	0	<1
Nickel	ppm	ASTM D5185(m)	<1	0	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	<1	<1	<1
Aluminum	ppm	ASTM D5185(m) >3	0	0	0
Lead	ppm	ASTM D5185(m) >4	0	<1	0
Copper	ppm	ASTM D5185(m) >20	<1	<1	<1
Tin	ppm	ASTM D5185(m) >3	0	0	0
Antimony	ppm	ASTM D5185(m)	0	0	0
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	<1
Barium	ppm	ASTM D5185(m)	6	4	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	0
Magnesium	ppm	ASTM D5185(m)	0	0	1
Calcium	ppm	ASTM D5185(m)	1	3	1
Phosphorus	ppm	ASTM D5185(m)	<1	0	159
Zinc	ppm	ASTM D5185(m)	2	<1	8
Sulfur	ppm	ASTM D5185(m)	20	38	68
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

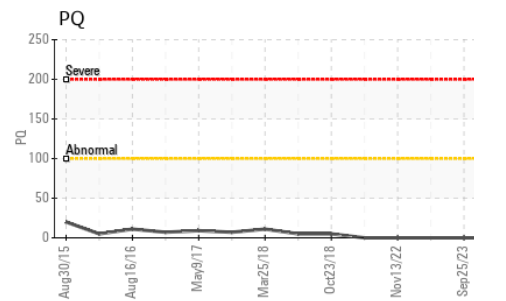
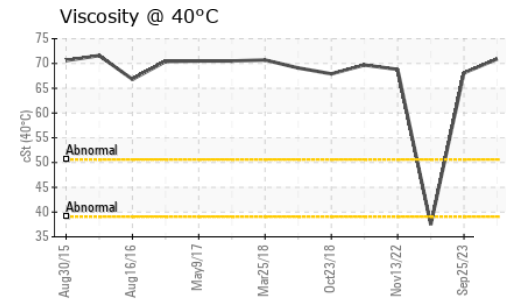
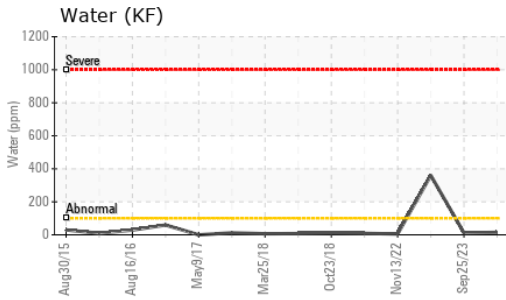
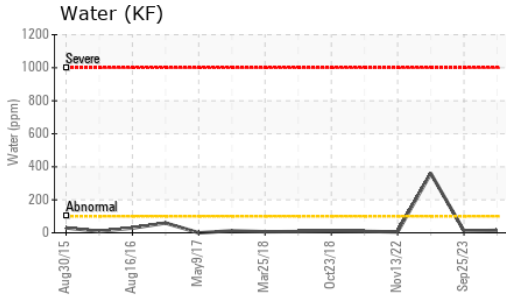
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >45	<1	0	<1
Sodium	ppm	ASTM D5185(m)	<1	<1	1
Potassium	ppm	ASTM D5185(m) >20	0	0	0
Water	%	ASTM D6304* >0.6	0.001	0.001	0.036
ppm Water	ppm	ASTM D6304*	14.8	12.1	360.1

FLUID DEGRADATION

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



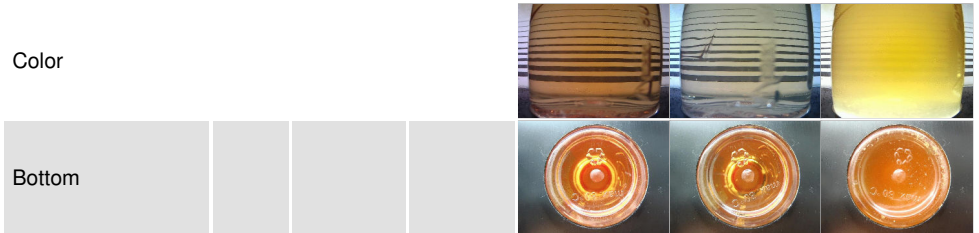
OIL ANALYSIS REPORT



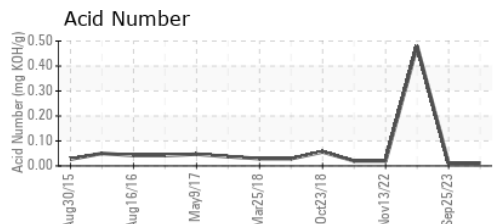
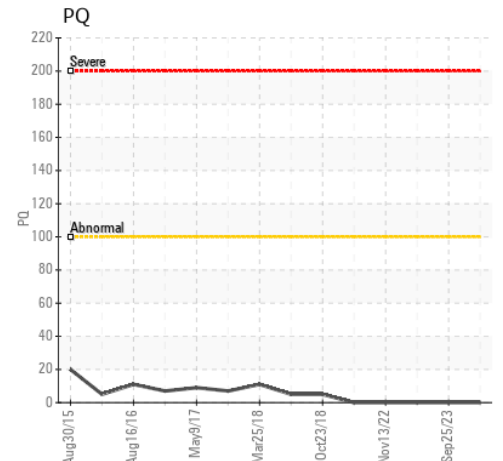
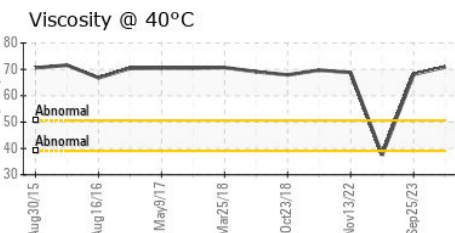
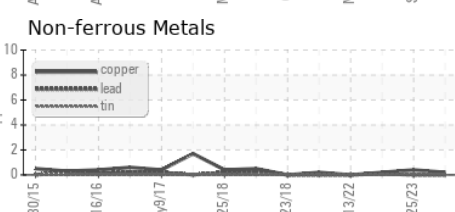
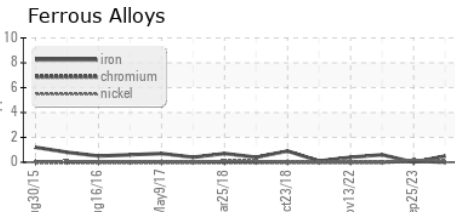
PARAMETER	VISUAL	method	limit/base	current	history1	history2
White Metal	White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	Silt	scalar	Visual*	NONE	NONE	NONE
Debris	Debris	scalar	Visual*	NONE	NONE	LIGHT
Sand/Dirt	Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	Appearance	scalar	Visual*	NORML	NORML	HAZY
Odor	Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	Emulsified Water	scalar	Visual*	>0.6	NEG	.5%
Free Water	Free Water	scalar	Visual*	NEG	NEG	NEG

PARAMETER	FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	Visc @ 40°C	cSt	ASTM D7279(m)	70.9	68.1	37.5

PARAMETER	SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0436633
Lab Number : 02586427
Unique Number : 5655493
Test Package : IND 2 (Additional Tests: KF)

Received : 03 Oct 2023
Diagnosed : 04 Oct 2023
Diagnostician : Wes Davis

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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