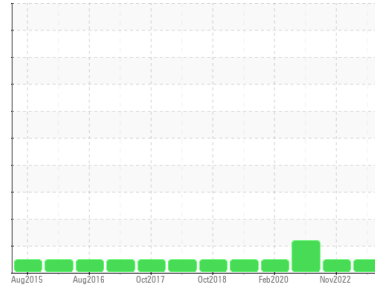




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
Compressors
Machine Id
Air Compressor #2 (S/N AII466393)
Component
Rotary Compressor
Fluid
ATLAS COPCO ROTO XTEND (15 LTR)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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

Additive levels indicate the addition of a different brand, or type of oil. 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		WC0861022	WC0752809	WC0664319
Sample Date	Client Info		25 Sep 2023	13 Nov 2022	21 Feb 2022
Machine Age	hrs	Client Info	103569	101488	98611
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	Changed	Changed
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	2
Chromium	ppm	ASTM D5185(m) >10	0	0	0
Nickel	ppm	ASTM D5185(m)	0	<1	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	<1	0	0
Aluminum	ppm	ASTM D5185(m) >3	0	0	0
Lead	ppm	ASTM D5185(m) >4	0	0	<1
Copper	ppm	ASTM D5185(m) >20	2	5	16
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)	0	0	0
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)	0	0	4
Phosphorus	ppm	ASTM D5185(m)	456	319	217
Zinc	ppm	ASTM D5185(m)	24	29	39
Sulfur	ppm	ASTM D5185(m)	1150	603	214
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

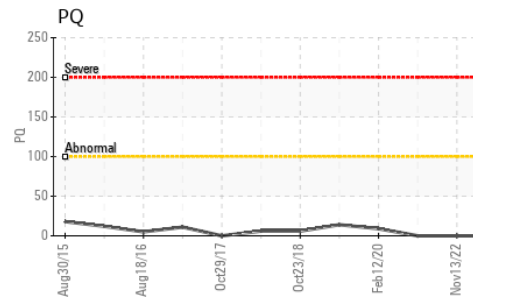
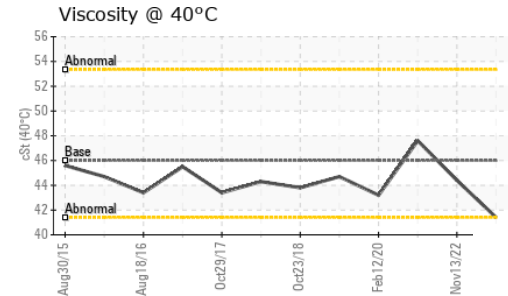
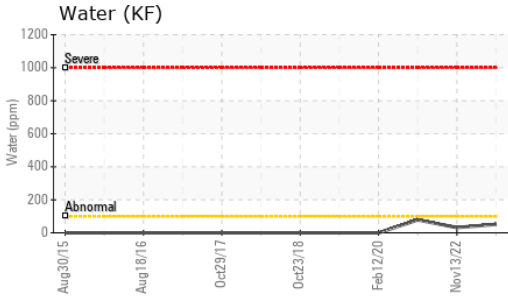
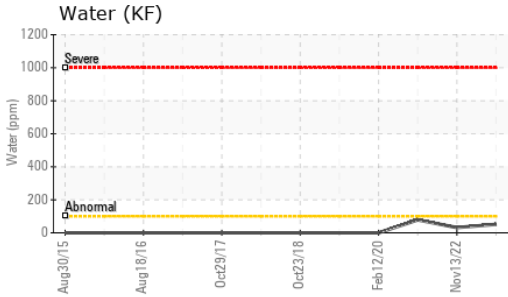
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >45	<1	<1	<1
Sodium	ppm	ASTM D5185(m)	<1	1	20
Potassium	ppm	ASTM D5185(m) >20	0	<1	2
Water	%	ASTM D6304* >0.6	0.005	0.003	0.007
ppm Water	ppm	ASTM D6304*	51.4	31.9	78.4

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.14	0.46	1.03	▲ 1.98



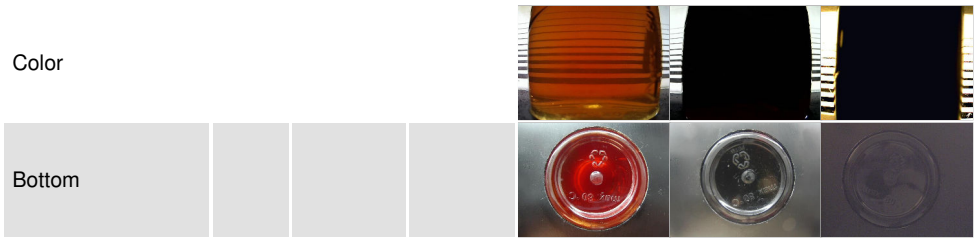
OIL ANALYSIS REPORT



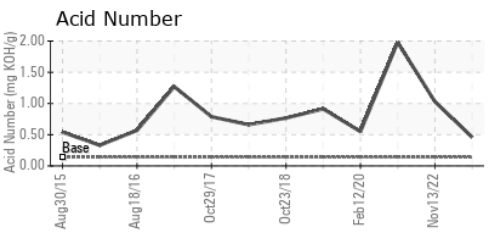
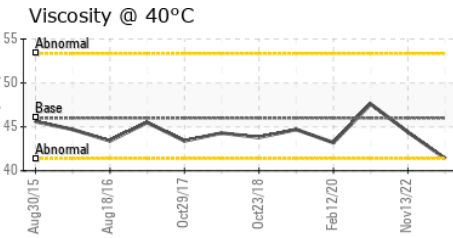
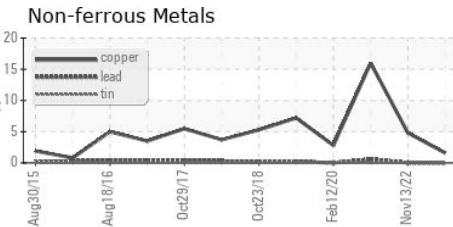
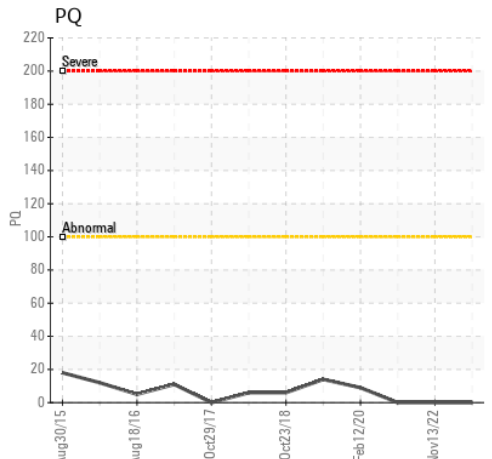
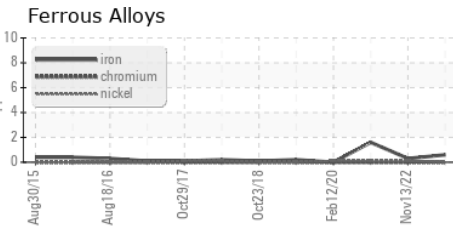
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	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) 46	41.4	44.4	47.6

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. : WC0861022 **Received** : 03 Oct 2023
Lab Number : **02586446** **Diagnosed** : 05 Oct 2023
Unique Number : 5655512 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KF)

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 Guelph, ON
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 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.