



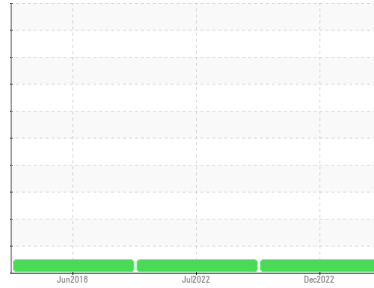
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
ROTO XTEND [12855284]
 Machine Id
ATLAS COPCO API623670 - MARKWEST
 Component
Compressor



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the component.

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		UCH05715092	UCH05599591	UCH04503404
Sample Date	Client Info		05 Dec 2022	15 Jul 2022	28 Jun 2018
Machine Age	hrs	Client Info	28781	26013	13255
Oil Age	hrs	Client Info	7990	5222	999
Oil Changed	Client Info		Changed	Not Changd	N/A
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	2	1	1
Chromium	ppm	ASTM D5185m >5	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	<1	0
Aluminum	ppm	ASTM D5185m >15	2	0	<1
Lead	ppm	ASTM D5185m >65	0	0	2
Copper	ppm	ASTM D5185m >65	1	<1	<1
Tin	ppm	ASTM D5185m >10	0	0	1
Antimony	ppm	ASTM D5185m	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	<1
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	0
Barium	ppm	ASTM D5185m	0	0	2
Molybdenum	ppm	ASTM D5185m	0	0	<1
Manganese	ppm	ASTM D5185m	<1	0	<1
Magnesium	ppm	ASTM D5185m	<1	0	0
Calcium	ppm	ASTM D5185m	6	5	4
Phosphorus	ppm	ASTM D5185m	50	28	22
Zinc	ppm	ASTM D5185m	158	114	73
Sulfur	ppm	ASTM D5185m	0	64	20

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	<1	0	<1
Sodium	ppm	ASTM D5185m	23	14	6
Potassium	ppm	ASTM D5185m >20	<1	0	2

FLUID DEGRADATION

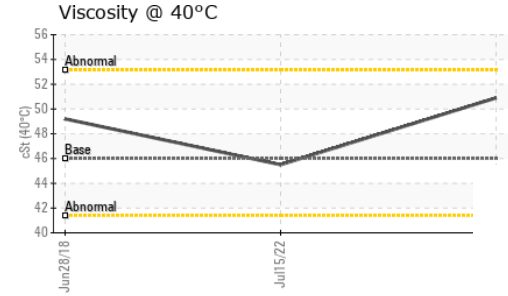
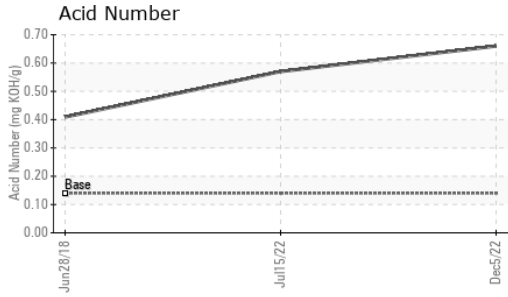
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.14	0.66	0.57	0.409

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 >0.1	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT

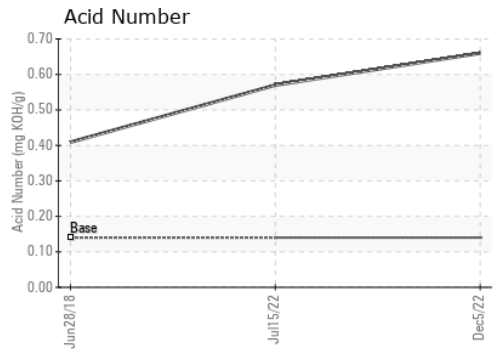
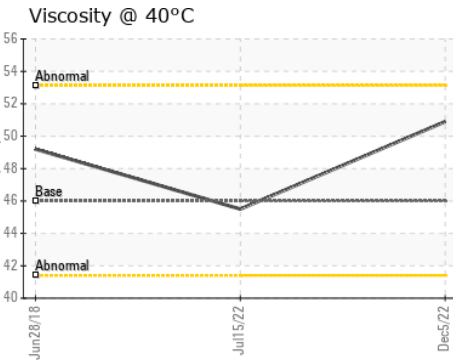
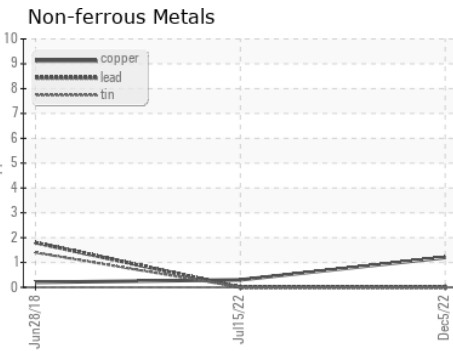
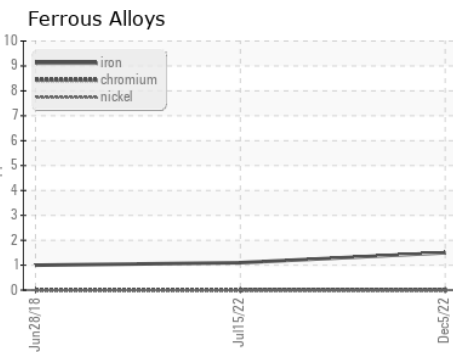


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	50.9	45.5	49.2

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color	no image		
Bottom	no image		

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05715092 **Received** : 12 Dec 2022
Lab Number : **05715092** **Diagnosed** : 14 Dec 2022
Unique Number : 10254668 **Diagnostician** : Jonathan Hester
Test Package : IND 2

TOTAL EQUIPMENT COMPANY
 200 SMILEY DR
 SAINT ALBANS, WV
 US 25177
 Contact:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: