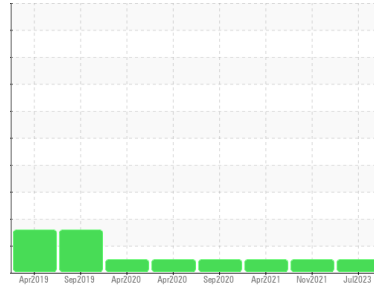




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
TE-PAG 46
 Machine Id
INGERSOLL RAND C1 - TOWN OF OC 136TH ST (S/N CBV271349)
 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		UCH05930927	UCH05404714	UCH05225783
Sample Date	Client Info		24 Jul 2023	15 Nov 2021	01 Apr 2021
Machine Age	hrs	Client Info	6602	5426	5011
Oil Age	hrs	Client Info	1176	761	346
Oil Changed	Client Info		Changed	Changed	Not Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<1	<1	5
Chromium	ppm	ASTM D5185m >10	0	0	<1
Nickel	ppm	ASTM D5185m	0	0	<1
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	<1	<1	1
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >50	<1	0	<1
Tin	ppm	ASTM D5185m >15	<1	<1	<1
Antimony	ppm	ASTM D5185m	---	0	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	0	1	4
Barium	ppm	ASTM D5185m 525	287	365	461
Molybdenum	ppm	ASTM D5185m 10	0	0	0
Manganese	ppm	ASTM D5185m	<1	0	<1
Magnesium	ppm	ASTM D5185m 5	5	0	0
Calcium	ppm	ASTM D5185m 10	5	2	6
Phosphorus	ppm	ASTM D5185m 250	5	1	5
Zinc	ppm	ASTM D5185m 100	27	17	14
Sulfur	ppm	ASTM D5185m 400	306	237	85

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	2	5	5
Sodium	ppm	ASTM D5185m	42	33	28
Potassium	ppm	ASTM D5185m >20	8	2	6

FLUID DEGRADATION

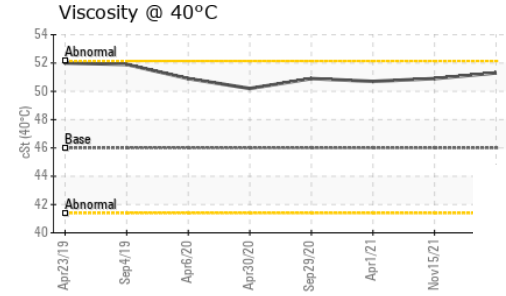
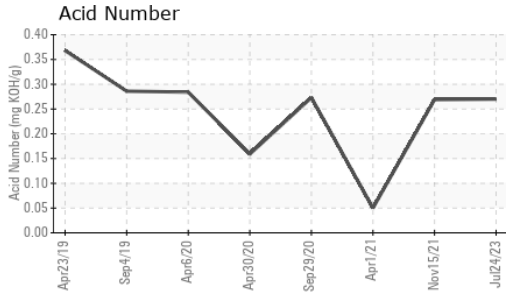
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.27	0.269	0.05

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	MODER
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	MODER
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 >0.8	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



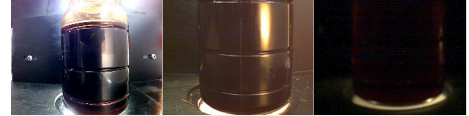
OIL ANALYSIS REPORT



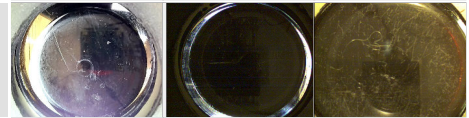
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	51.3	50.9	50.7

SAMPLE IMAGES		method	limit/base	current	history1	history2
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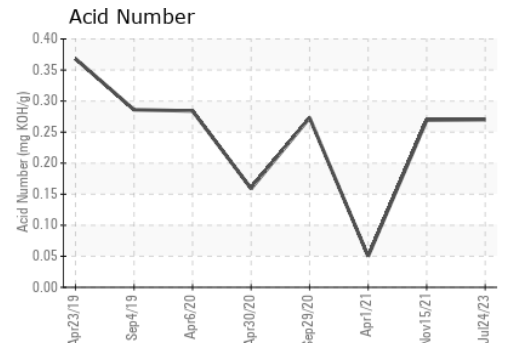
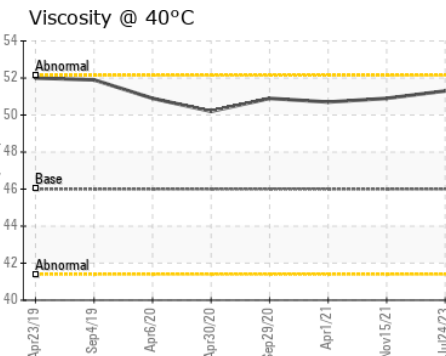
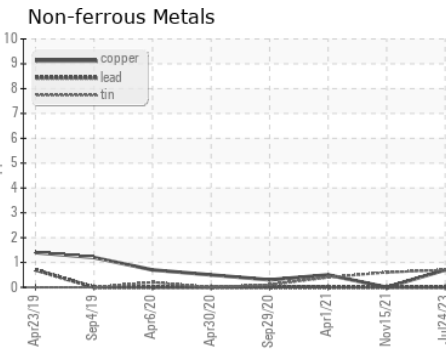
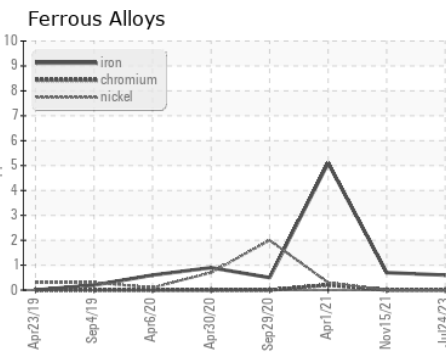
Color



Bottom



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05930927
Lab Number : **05930927**
Unique Number : 10616198
Test Package : IND 2

Received : 22 Aug 2023
Diagnosed : 23 Aug 2023
Diagnostician : Don Baldrige

TATE ENGINEERING
 2030 SHIPLEY DR
 SALISBURY, MD
 US 21801

Contact: DOUG THIERFELDT

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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