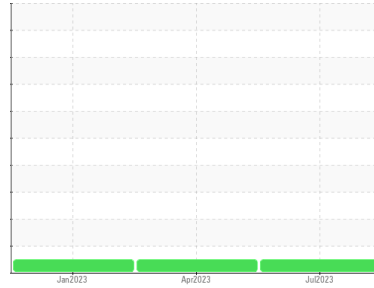




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area

CAP 46 PE

Machine Id

INGERSOLL RAND FF1026U96066 - ADVANCED COMPRESSOR SVCS

Component

Compressor

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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 oil.

Fluid Condition

The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCH05903840	UCH05826975	UCH05743065
Sample Date	Client Info		13 Jul 2023	17 Apr 2023	09 Jan 2023
Machine Age	hrs	Client Info	20580	20089	19751
Oil Age	hrs	Client Info	4744	4453	4115
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	47	64	29
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m	0	0	1
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	0	0	0
Lead	ppm	ASTM D5185m >25	0	0	<1
Copper	ppm	ASTM D5185m >50	<1	<1	<1
Tin	ppm	ASTM D5185m >15	<1	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	0	0	0
Barium	ppm	ASTM D5185m 525	270	275	324
Molybdenum	ppm	ASTM D5185m 10	0	<1	0
Manganese	ppm	ASTM D5185m	1	2	2
Magnesium	ppm	ASTM D5185m 5	0	<1	1
Calcium	ppm	ASTM D5185m 10	5	23	6
Phosphorus	ppm	ASTM D5185m 250	12	19	26
Zinc	ppm	ASTM D5185m 100	0	0	8
Sulfur	ppm	ASTM D5185m 400	311	0	191

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	2	2	2
Sodium	ppm	ASTM D5185m	32	32	33
Potassium	ppm	ASTM D5185m >20	2	<1	2

FLUID DEGRADATION

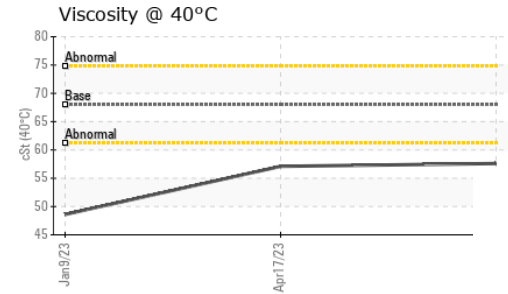
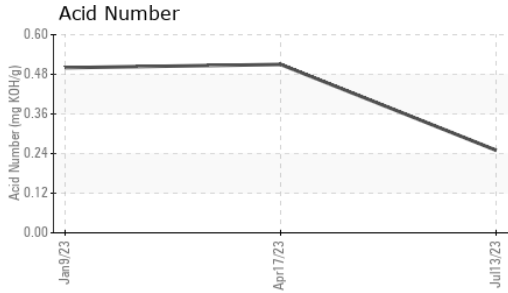
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.25	0.51	0.50

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	LIGHT	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 68	57.6	57.1	48.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
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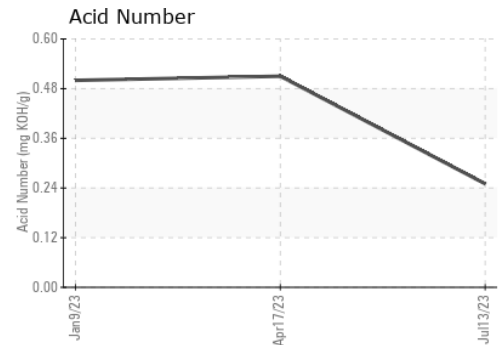
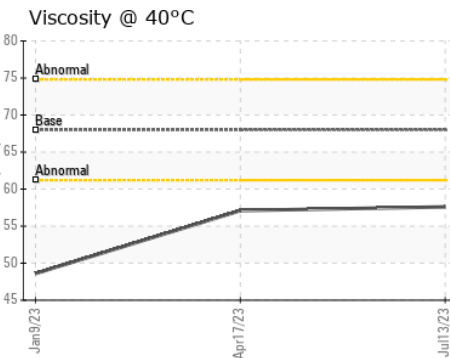
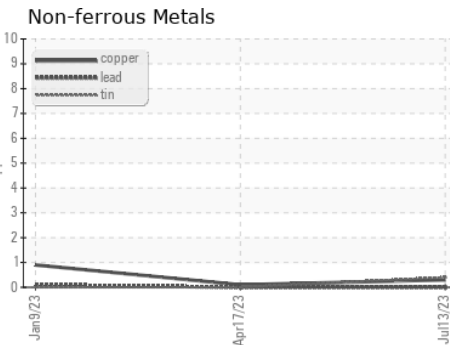
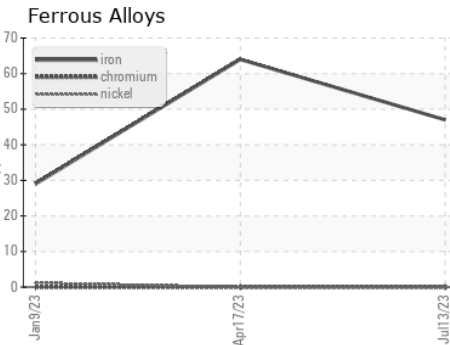
Color



Bottom



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05903840 **Received** : 20 Jul 2023
Lab Number : 05903840 **Diagnosed** : 24 Jul 2023
Unique Number : 10565196 **Diagnostician** : Don Baldrige
Test Package : IND 2

CAPCO - COMPRESSED AIR PARTS CO
 4036 TREESHADOW
 ST PETERS, MO
 US 63376
 Contact: ED TORLINA
 ed@cap-co.net
 T: (636)278-5400
 F:

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)