

OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION

Area
ACAS 115 [8205]
 Machine Id
INGERSOLL RAND V1764U13044
 Component
Compressor



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. 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 AN level is above the recommended limit. The oil viscosity is higher than normal.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number		Client Info		UCH06125020	---	---
Sample Date		Client Info		13 Mar 2024	---	---
Machine Age	hrs	Client Info		69097	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

CONTAMINATION method limit/base current history1 history2

Water		WC Method	>0.8	NEG	---	---
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WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>50	43	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	3	---	---
Lead	ppm	ASTM D5185m	>25	0	---	---
Copper	ppm	ASTM D5185m	>50	1	---	---
Tin	ppm	ASTM D5185m	>15	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
Cadmium	ppm	ASTM D5185m		0	---	---

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185m	2	0	---	---
Barium	ppm	ASTM D5185m	525	674	---	---
Molybdenum	ppm	ASTM D5185m	10	0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m	5	<1	---	---
Calcium	ppm	ASTM D5185m	10	7	---	---
Phosphorus	ppm	ASTM D5185m	250	15	---	---
Zinc	ppm	ASTM D5185m	100	13	---	---
Sulfur	ppm	ASTM D5185m	400	278	---	---

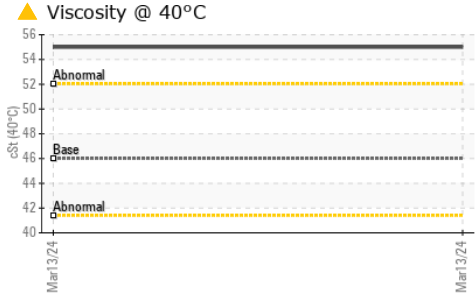
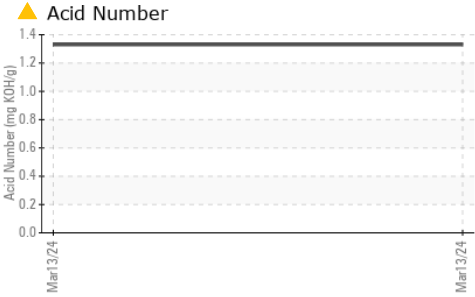
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>25	2	---	---
Sodium	ppm	ASTM D5185m		51	---	---
Potassium	ppm	ASTM D5185m	>20	7	---	---

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045		▲ 1.33	---	---
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OIL ANALYSIS REPORT



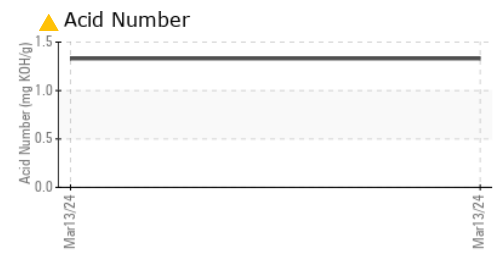
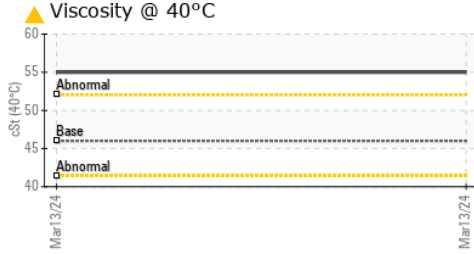
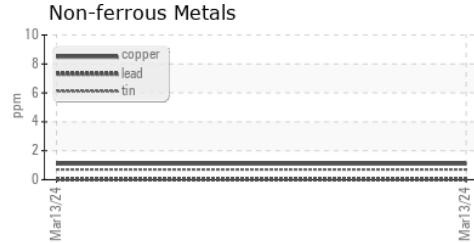
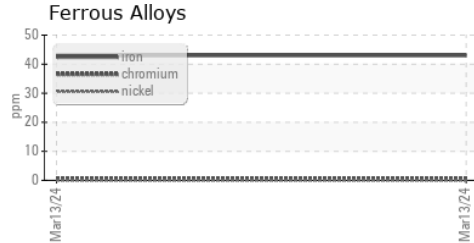
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.8	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	▲ 55.0	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06125020 **Received** : 21 Mar 2024
Lab Number : 06125020 **Tested** : 22 Mar 2024
Unique Number : 10939171 **Diagnosed** : 26 Mar 2024 - Angela Borella
Test Package : IND 2

ADVANCED COMPRESSED AIR SOLUTIONS (ACAS)
 9421 FM 2920 RD BLDG 23
 TOMBALL, TX
 US 77375
 Contact: JIM SUAREZ
 jim@advancedcompressedair.com

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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