



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
ULTRA COOLANT
Machine Id
INGERSOLL RAND CBF461556 - MAG APCO (S/N CBV461556)
Component
Compressor

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06187825	UCH05808340	UCH05672881
Sample Date		Client Info		08 May 2024	27 Mar 2023	17 Oct 2022
Machine Age	hrs	Client Info		23967	21353	2060
Oil Age	hrs	Client Info		8000	253	1493
Filter Age	hrs	Client Info		2000	253	1493
Oil Changed		Client Info		Changed	Not Chngd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	1	0	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	0	<1
Lead	ppm	ASTM D5185m	>25	<1	<1	2
Copper	ppm	ASTM D5185m	>50	2	2	8
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

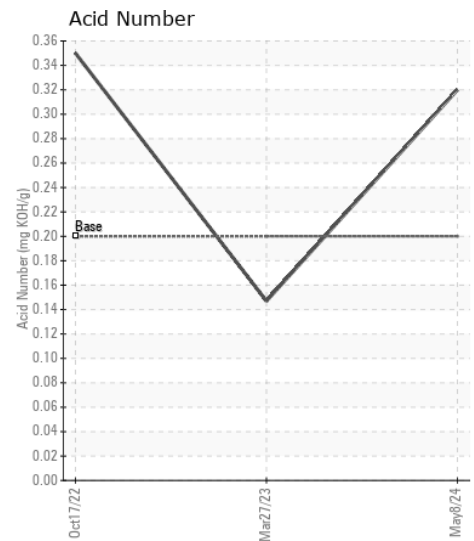
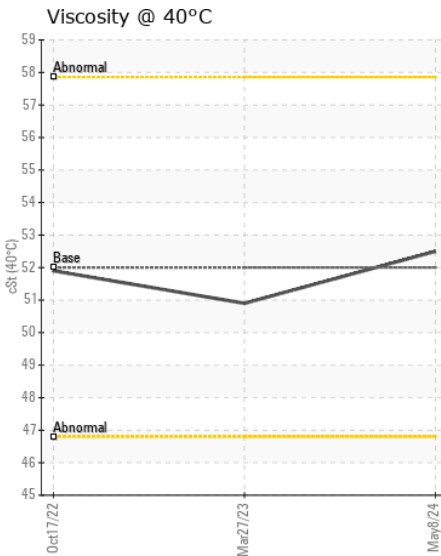
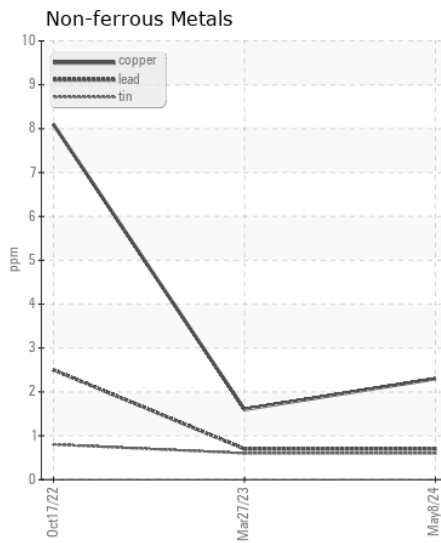
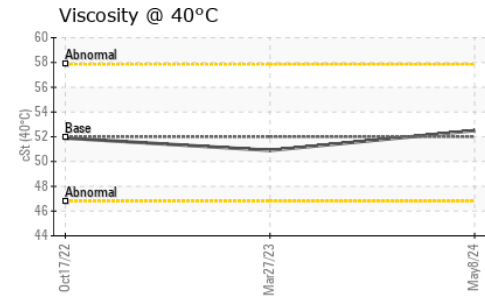
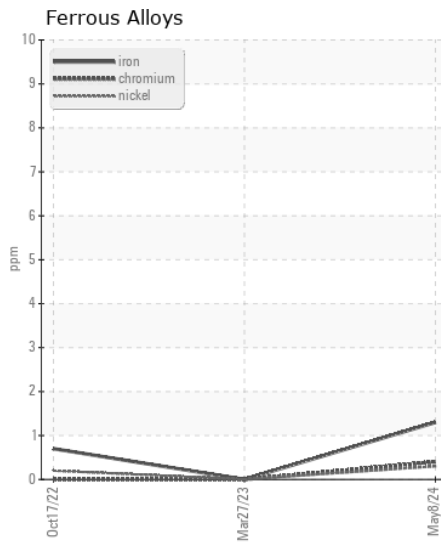
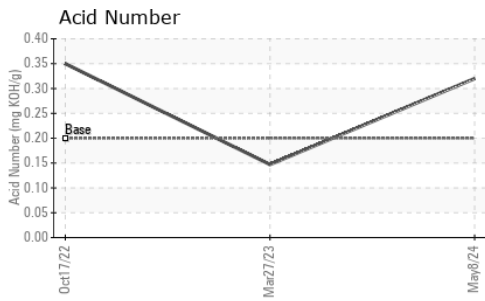
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	4	4	2
Potassium	ppm	ASTM D5185m	>20	2	4	<1
Water		WC Method	>0.1	NEG	NEG	NEG
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

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		54	25	41
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	556	687	844	727
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		1	<1	<1
Calcium	ppm	ASTM D5185m	242	30	20	45
Phosphorus	ppm	ASTM D5185m	0	5	6	5
Zinc	ppm	ASTM D5185m	0	129	25	128
Sulfur	ppm	ASTM D5185m	306	361	70	476
Acid Number (AN)	mg KOH/g	ASTM D8045	0.2	0.32	0.147	0.35
Visc @ 40°C	cSt	ASTM D445	52	52.5	50.9	51.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06187825 **Received** : 22 May 2024
Lab Number : 06187825 **Tested** : 23 May 2024
Unique Number : 11044577 **Diagnosed** : 24 May 2024 - Sean Felton
Test Package : IND 2

TATE ENGINEERING
 8131 VIRGINIA PINE CT
 RICHMOND, VA
 US 23237

Contact: RANDY BEAUCHAMP
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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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