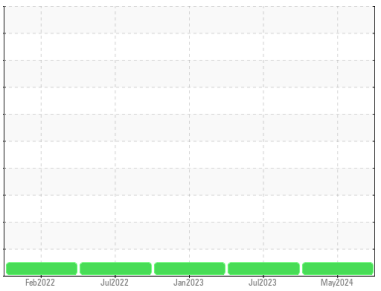
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Area
BTG PLATINUM [PHILLY 44165-1]
Machine Id
SULLAIR 003-140585 - NEWAGE INDUSTRIES
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 oil.

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		**UCH06180603**	UCH05905904	UCH05746818
Sample Date		Client Info		**08 May 2024**	12 Jul 2023	12 Jan 2023
Machine Age	hrs	Client Info		**694**	64074	62224
Oil Age	hrs	Client Info		**694**	64074	24461
Oil Changed		Client Info		**N/A**	N/A	Not Changd
Sample Status				**NORMAL**	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**0**	0	0
Chromium	ppm	ASTM D5185m	>10	**<1**	0	0
Nickel	ppm	ASTM D5185m		**0**	352	0
Titanium	ppm	ASTM D5185m		**0**	<1	0
Silver	ppm	ASTM D5185m		**0**	0	<1
Aluminum	ppm	ASTM D5185m	>25	**0**	<1	3
Lead	ppm	ASTM D5185m	>25	**0**	1	<1
Copper	ppm	ASTM D5185m	>50	**0**	0	0
Tin	ppm	ASTM D5185m	>15	**0**	12	14
Vanadium	ppm	ASTM D5185m		**0**	<1	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	4.8	**0**	0	0
Barium	ppm	ASTM D5185m	6.3	**0**	0	0
Molybdenum	ppm	ASTM D5185m	0.5	**0**	<1	0
Manganese	ppm	ASTM D5185m	3.4	**0**	<1	<1
Magnesium	ppm	ASTM D5185m	3	**0**	<1	0
Calcium	ppm	ASTM D5185m	10	**0**	<1	0
Phosphorus	ppm	ASTM D5185m	0	**0**	3	57
Zinc	ppm	ASTM D5185m	6.3	**0**	0	2
Sulfur	ppm	ASTM D5185m	59	**0**	53	100

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**2124**	10000	94426
Sodium	ppm	ASTM D5185m		**0**	0	0
Potassium	ppm	ASTM D5185m	>20	**0**	0	3
Water	%	ASTM D6304	>0.1	**NEG**	NEG	NEG

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.205	**0.029**	0.09	0.221

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**	LIGHT	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

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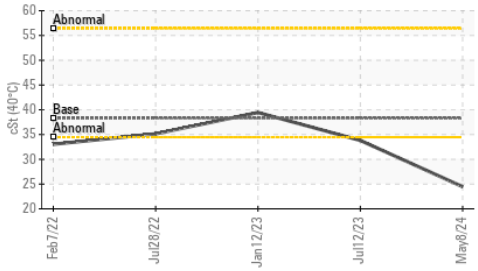
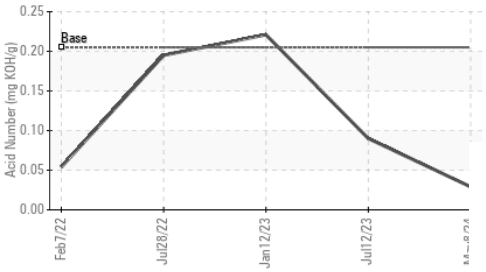
Viscosity @ 40°C

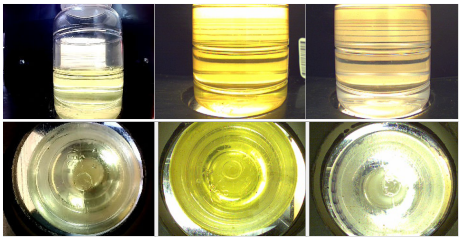


Acid Number



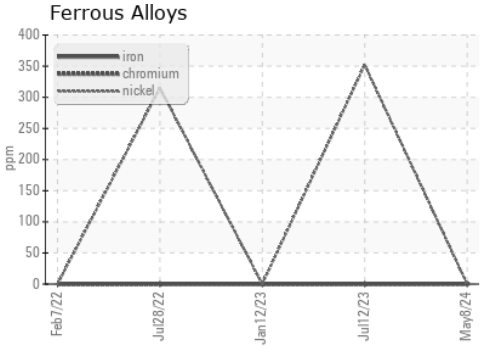
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	38.3	**24.47**	33.81	39.45

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

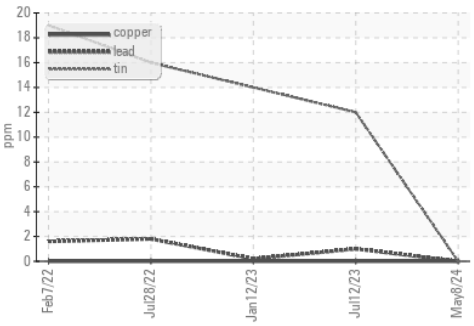


GRAPHS

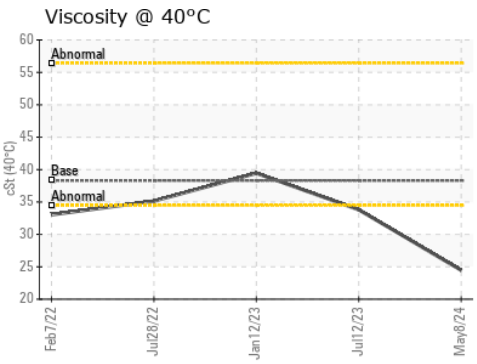
Ferrous Alloys



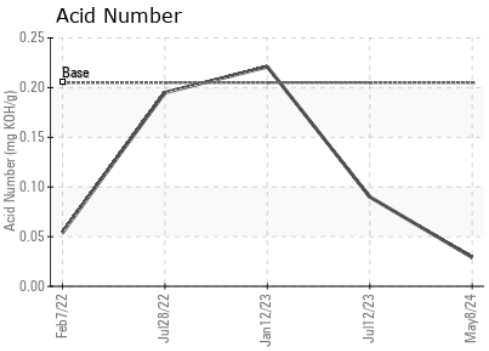
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06180603
Lab Number : 06180603
Unique Number : 11031929
Test Package : IND 2 (Additional Tests: KF)

Received : 15 May 2024
Tested : 23 May 2024
Diagnosed : 23 May 2024 - Jonathan Hester

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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