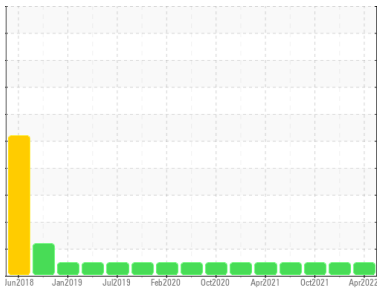
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Area
SULLUBE
Machine Id
SULLAIR 201305060066 - DOE RUN
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 fluid.

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**UCH05517135**	UCH05468854	UCH05396371
Sample Date		Client Info		**05 Apr 2022**	01 Feb 2022	12 Oct 2021
Machine Age	hrs	Client Info		**69448**	67940	65252
Oil Age	hrs	Client Info		**2000**	1000	8000
Oil Changed		Client Info		**Not Changd**	Not Changd	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

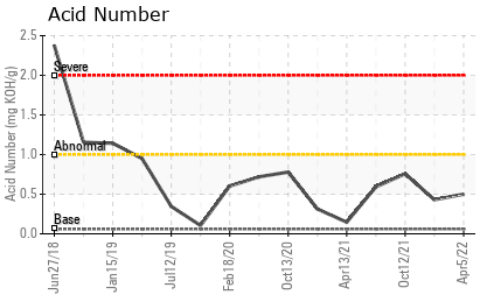
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**4**	2	1
Chromium	ppm	ASTM D5185m	>10	**0**	0	0
Nickel	ppm	ASTM D5185m		**0**	0	<1
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	<1	0
Aluminum	ppm	ASTM D5185m	>25	**<1**	<1	<1
Lead	ppm	ASTM D5185m	>25	**4**	2	3
Copper	ppm	ASTM D5185m	>50	**4**	3	3
Tin	ppm	ASTM D5185m	>15	**<1**	<1	0
Antimony	ppm	ASTM D5185m		**---**	<1	<1
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**<1**	<1	<1

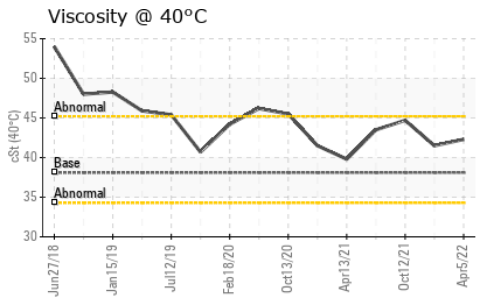
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**1**	2	4
Barium	ppm	ASTM D5185m	745	**578**	531	362
Molybdenum	ppm	ASTM D5185m	0.0	**<1**	0	<1
Manganese	ppm	ASTM D5185m		**0**	0	0
Magnesium	ppm	ASTM D5185m	0.0	**7**	3	3
Calcium	ppm	ASTM D5185m	1	**12**	10	12
Phosphorus	ppm	ASTM D5185m	3	**5**	12	6
Zinc	ppm	ASTM D5185m	0.1	**3**	2	6
Sulfur	ppm	ASTM D5185m	240	**376**	288	369

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**1**	1	2
Sodium	ppm	ASTM D5185m		**64**	60	71
Potassium	ppm	ASTM D5185m	>20	**5**	4	7

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	.06	**0.50**	0.43	0.758

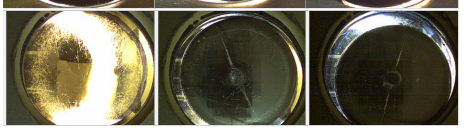
OIL ANALYSIS REPORT



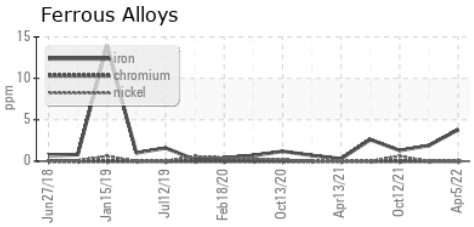


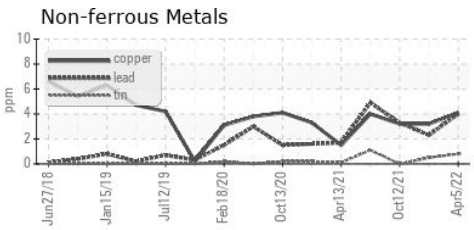
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**LIGHT**	LIGHT	LIGHT
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

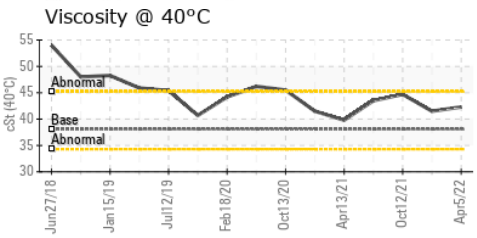
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	38.1	**42.3**	41.5	44.7

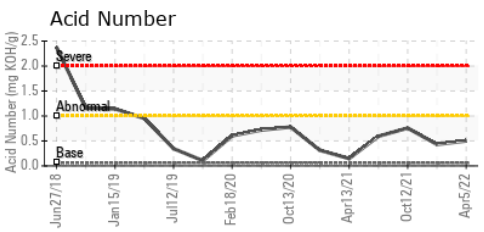
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05517135
Lab Number : 05517135
Unique Number : 9931414
Test Package : IND 2

Received : 12 Apr 2022
Tested : 14 Apr 2022
Diagnosed : 14 Apr 2022 - Don Baldridge

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)

JOHN HENRY FOSTER COMPANY
4700 LEBOURGET STREET
SAINT LOUIS, MO
US 63134
Contact: RACHEL VON HATTEN
rvonhatten@jhf.com
T: (314)593-1267
F: (314)874-0965