



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
NOT GIVEN
Machine Id
SULLAIR 201904220026 - TULSA CEMENT SCALE HOUSE QUARRY
Component
Compressor

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06192923	UCH06162035	UCH05934444
Sample Date		Client Info		22 May 2024	18 Apr 2024	10 Aug 2023
Machine Age	hrs	Client Info		35959	35509	28074
Oil Age	hrs	Client Info		8000	8000	8000
Filter Age	hrs	Client Info		8000	8000	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	5	0	3
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>25	6	2	2
Lead	ppm	ASTM D5185m	>25	1	1	<1
Copper	ppm	ASTM D5185m	>50	<1	<1	36
Tin	ppm	ASTM D5185m	>15	<1	1	2
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

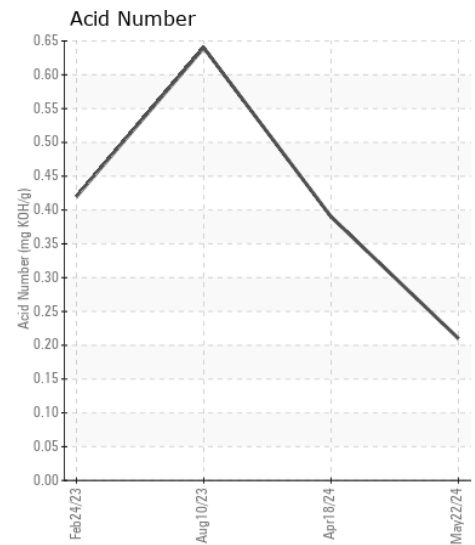
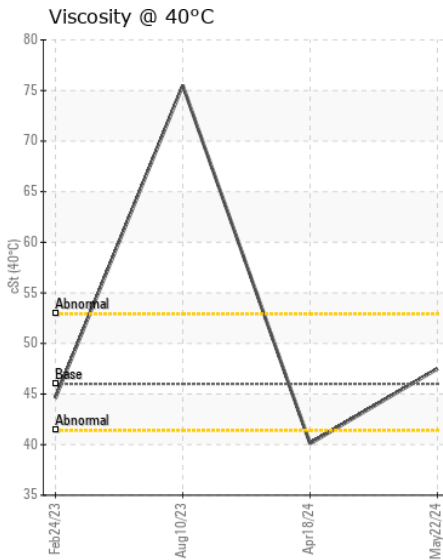
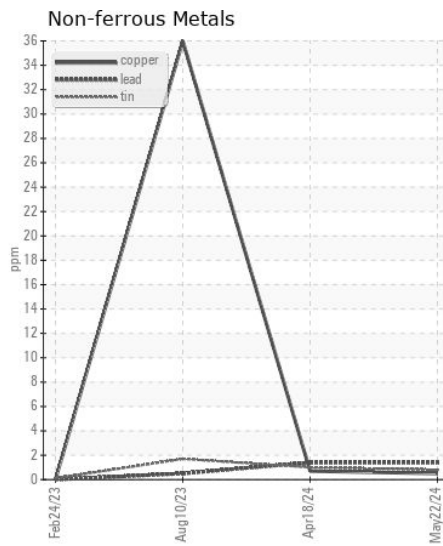
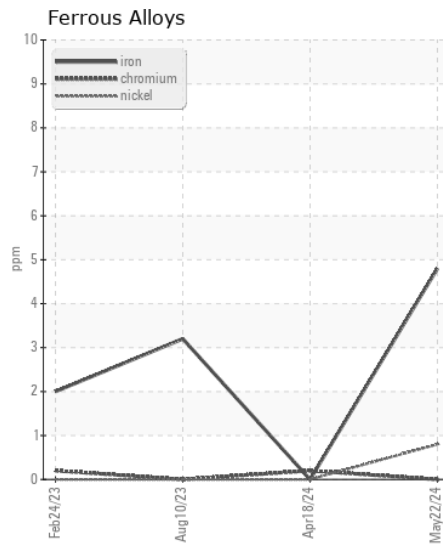
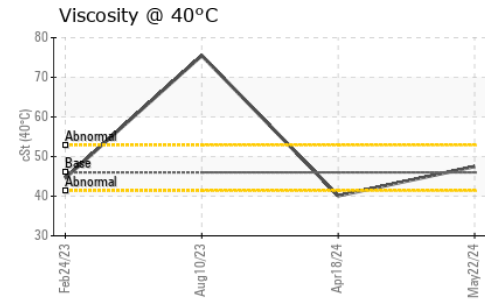
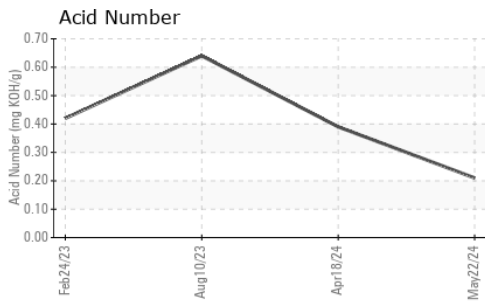
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>25	17	4	4
Potassium	ppm	ASTM D5185m	>20	6	5	2
Water		WC Method	>0.8	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	MODER
Debris	scalar	*Visual	NONE	MODER	NONE	MODER
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	>0.8	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		16	4	0
Boron	ppm	ASTM D5185m	2	0	0	7
Barium	ppm	ASTM D5185m	525	467	68	113
Molybdenum	ppm	ASTM D5185m	10	0	0	1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	5	4	1	2
Calcium	ppm	ASTM D5185m	10	90	1	● 1351
Phosphorus	ppm	ASTM D5185m	250	9	36	● 522
Zinc	ppm	ASTM D5185m	100	0	0	● 539
Sulfur	ppm	ASTM D5185m	400	492	95	● 2325
Acid Number (AN)	mg KOH/g	ASTM D8045		0.21	0.39	0.64
Visc @ 40°C	cSt	ASTM D445	46	47.5	40.1	● 75.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06192923
Lab Number : 06192923
Unique Number : 11049675
Test Package : IND 2

Received : 28 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 2024 - Sean Felton

GREEN COUNTY COMPRESSOR SERVICE
 11974 E 530 RD
 CLAREMORE, OK
 US 74019
 Contact: ASHLEY PIGUET
 ashley@gccs.us.com
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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)