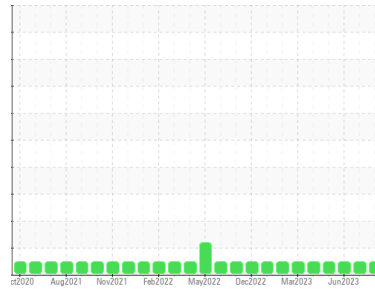




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
CP-27
 Component
Reciprocating Compressor
 Fluid
SYNTHOSOL 150 (--- GAL)

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. The amount and size of particulates present in the system are acceptable.

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	WC0820237	WC0820296	WC0791576
Sample Date	Client Info	07 Aug 2023	03 Jul 2023	04 Jun 2023
Machine Age	days	Client Info	0	0
Oil Age	days	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

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

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		0	0
Barium	ppm	ASTM D5185m		0	0
Molybdenum	ppm	ASTM D5185m		0	0
Manganese	ppm	ASTM D5185m		0	0
Magnesium	ppm	ASTM D5185m		<1	4
Calcium	ppm	ASTM D5185m		0	0
Phosphorus	ppm	ASTM D5185m		164	160
Zinc	ppm	ASTM D5185m		0	7
Sulfur	ppm	ASTM D5185m		1	0

CONTAMINANTS

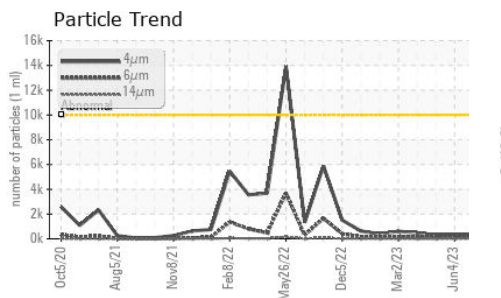
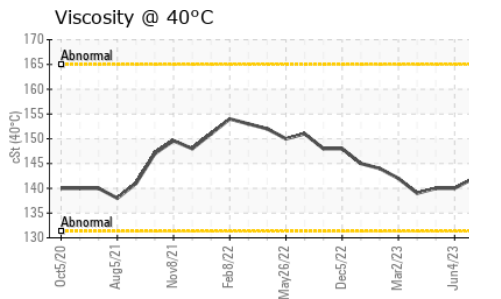
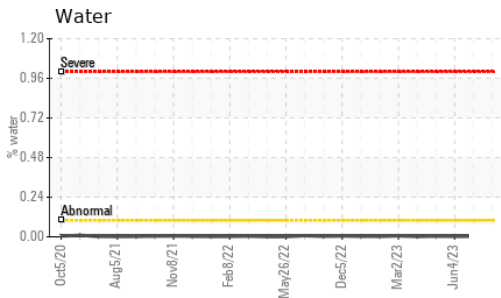
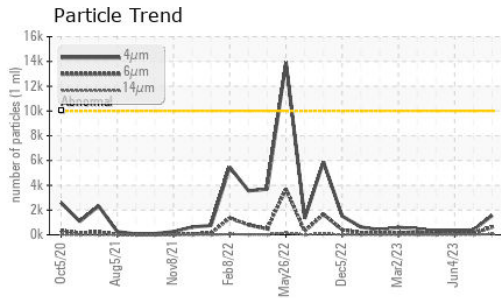
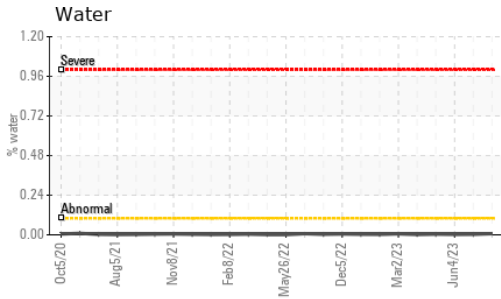
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	0	0
Sodium	ppm	ASTM D5185m		<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0
Water	%	ASTM D6304	>0.1	0.007	0.003
ppm Water	ppm	ASTM D6304	>1000	74.9	25.4

FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>10000	1558	377	375
Particles >6µm	ASTM D7647	>2500	625	118	109
Particles >14µm	ASTM D7647	>320	55	18	9
Particles >21µm	ASTM D7647	>80	11	6	2
Particles >38µm	ASTM D7647	>20	1	1	1
Particles >71µm	ASTM D7647	>4	1	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	18/16/13	16/14/11	16/14/10

FLUID DEGRADATION

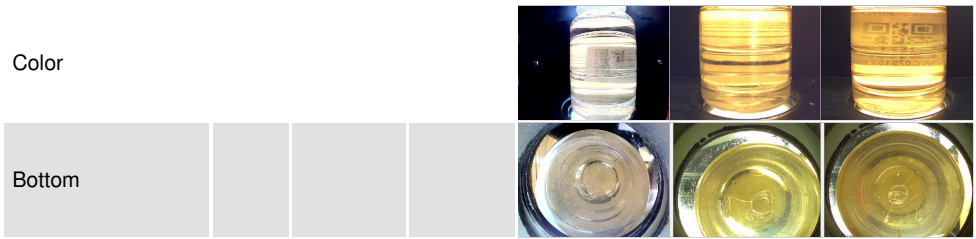
method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.51	0.53



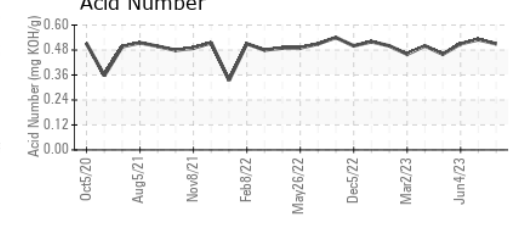
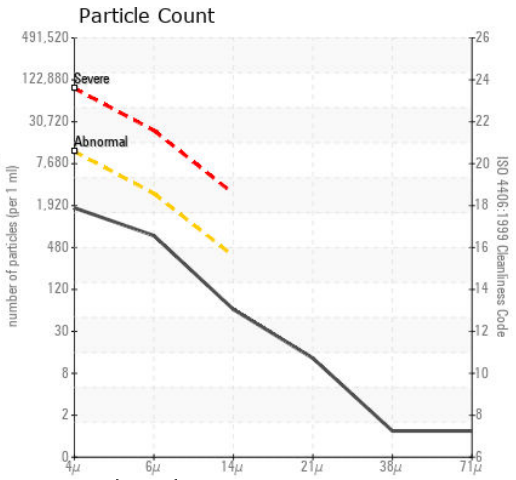
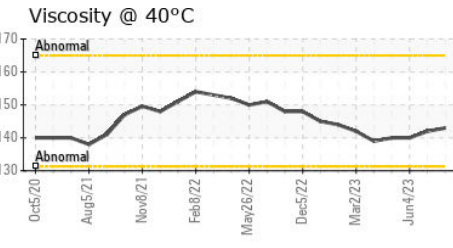
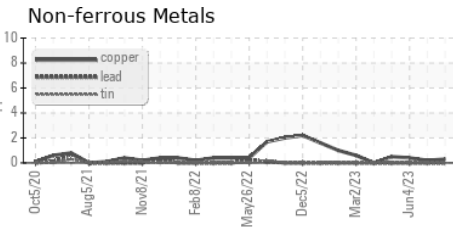
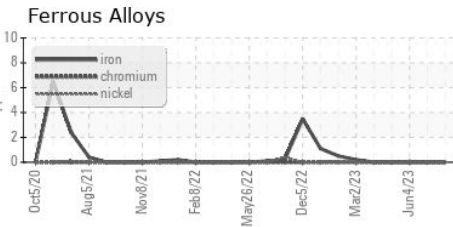
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	143	142	140

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0820237
Lab Number : 05929611
Unique Number : 10609558
Test Package : IND 2 (Additional Tests: KF, PrtCount)

UGI ENERGY SERVICES - LNG FACILITY
 80 ENERGY LN
 MESHOPPEN, PA
 US 18630
 Contact: JOE BARRETT
 jbarrett@ugies.com
 T:
 F:

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)