

Area

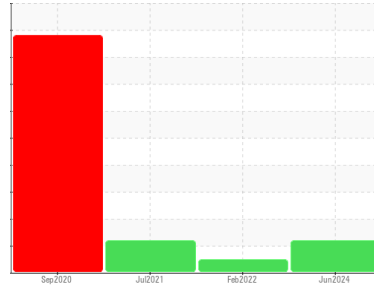
SULLAIR SULLUBE [8018049]

Machine Id

SULLAIR 201303180037 - STARMARK

Component

Compressor



DIAGNOSIS

Recommendation

The oil is near the end of its useful service life, recommend schedule an oil change. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The AN level is at the top-end of the recommended limit.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			UCS06207967	UCS05483901	UCS05310577
Sample Date	Client Info			07 Jun 2024	28 Feb 2022	16 Jul 2021
Machine Age	hrs	Client Info		40751	39979	23154
Oil Age	hrs	Client Info		3098	2827	6298
Oil Changed	Client Info			Not Changed	Not Changed	Not Changed
Sample Status				ATTENTION	NORMAL	ATTENTION

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

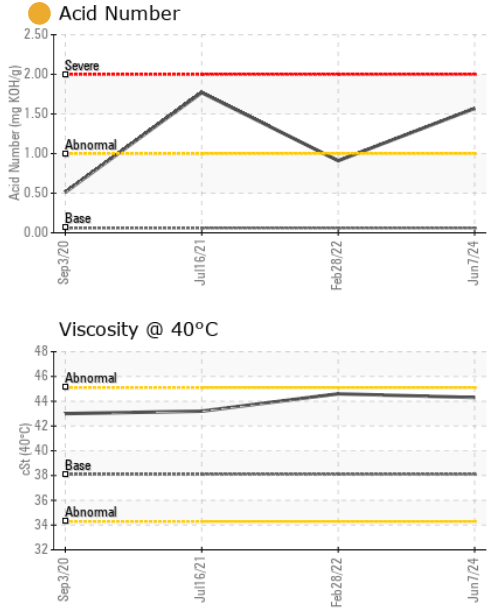
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	3	1
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>50	5	<1	<1
Tin	ppm	ASTM D5185m	>15	1	6	<1
Antimony	ppm	ASTM D5185m		---	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	1	2
Barium	ppm	ASTM D5185m	745	188	317	450
Molybdenum	ppm	ASTM D5185m	0.0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	0.0	<1	1	<1
Calcium	ppm	ASTM D5185m	1	2	3	2
Phosphorus	ppm	ASTM D5185m	3	53	129	23
Zinc	ppm	ASTM D5185m	0.1	55	106	0
Sulfur	ppm	ASTM D5185m	240	370	313	69

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	3	3
Sodium	ppm	ASTM D5185m		87	80	106
Potassium	ppm	ASTM D5185m	>20	5	5	6

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	.06	1.57	0.91	1.769

OIL ANALYSIS REPORT

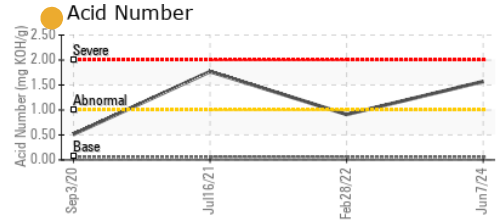
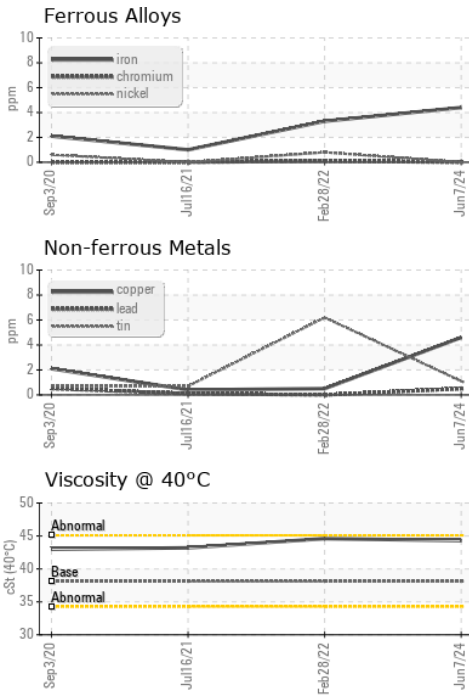


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	38.1	44.3	44.6	43.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS06207967 **Received** : 12 Jun 2024
Lab Number : **06207967** **Tested** : 14 Jun 2024
Unique Number : 11075428 **Diagnosed** : 14 Jun 2024 - Don Baldrige
Test Package : IND 2

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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)