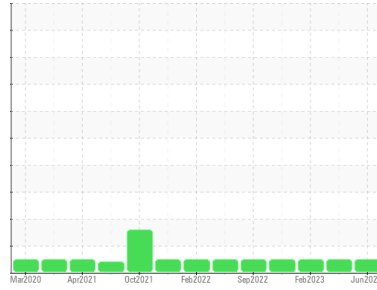


Area
PALLUBE 32
Machine Id
SULLIVAN PALATEK 19ME000725 - GEORIGA TEC
Component
Compressor



DIAGNOSIS

Recommendation

We suspect abnormal contamination may be due to sampling method. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

Moderate concentration of visible metal present. All component wear rates are normal.

Contamination

No other contaminants were detected 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		UCS05904489	UCS05865736	UCS05799814
Sample Date	Client Info		13 Jun 2023	12 Apr 2023	27 Feb 2023
Machine Age	hrs	Client Info	29607	28205	27136
Oil Age	hrs	Client Info	9912	8510	7441
Oil Changed	Client Info		Not Chngd	N/A	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1	0	0	0
Barium	ppm	ASTM D5185m 730	81	139	141
Molybdenum	ppm	ASTM D5185m 0	0	0	0
Manganese	ppm	ASTM D5185m 0.0	0	<1	<1
Magnesium	ppm	ASTM D5185m 0	<1	4	0
Calcium	ppm	ASTM D5185m 0	2	5	2
Phosphorus	ppm	ASTM D5185m 0	9	15	0
Zinc	ppm	ASTM D5185m 0	6	22	6
Sulfur	ppm	ASTM D5185m 590	436	509	493

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<1	<1	<1
Sodium	ppm	ASTM D5185m	61	51	46
Potassium	ppm	ASTM D5185m >20	5	4	3

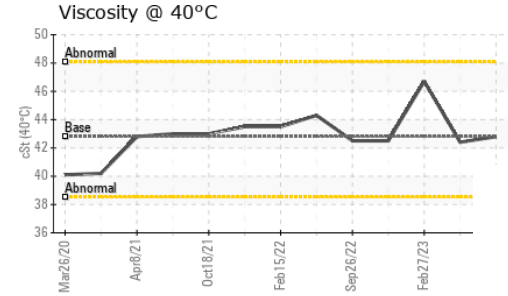
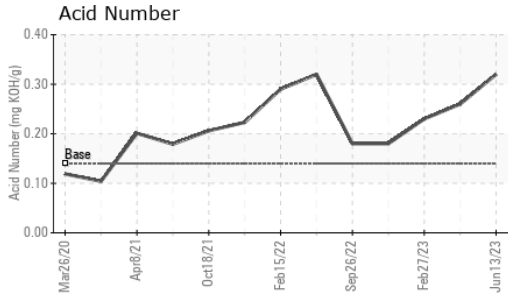
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.14	0.32	0.26	0.23

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	MODER	NONE	MODER
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	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

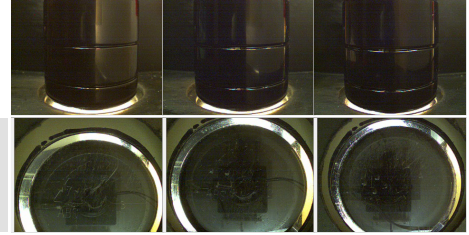
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	42.8	42.8	42.4	46.7

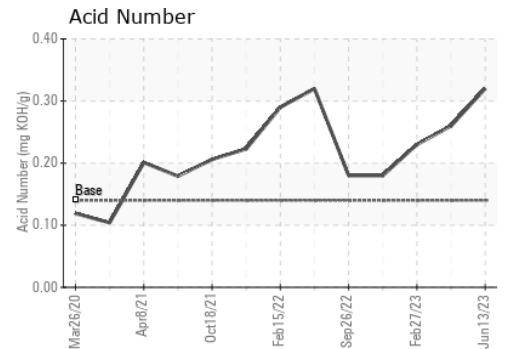
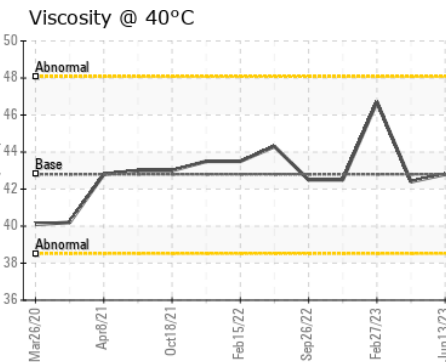
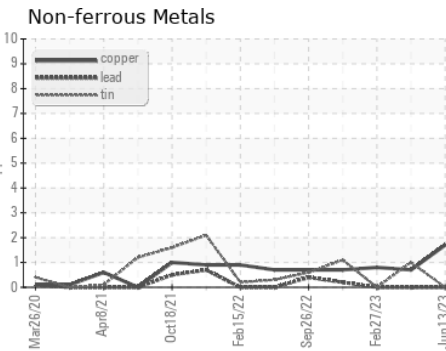
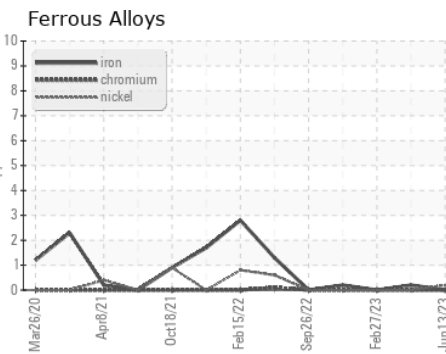
SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color



Bottom

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS05904489
Lab Number : **05904489**
Unique Number : 10565845
Test Package : IND 2

Received : 21 Jul 2023
Diagnosed : 24 Jul 2023
Diagnostician : Doug Bogart

ELITE COMPRESSED AIR SYSTEMS INC

MCDONOUGH, GA
 US 30252
 Contact: RONNY MINNIX
 elitecompressed@gmail.com
 T: (770)898-9594

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)

F: