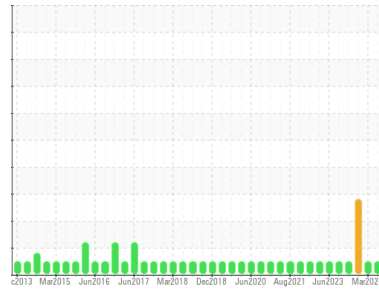




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

[10-1512934]

Machine Id

SULLAIR WEST SULLAIR 1 (S/N 200601170039)

Component

Compressor

Fluid

ATLAS COPCO ROTO XTEND (5 QTS)

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		USP0012453	USP0006270	USPM30686
Sample Date	Client Info		31 May 2024	07 Mar 2024	24 Dec 2023
Machine Age	hrs	Client Info	25107	69122	4522
Oil Age	hrs	Client Info	781	175	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	0	7
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	0	0	0
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >50	0	0	2
Tin	ppm	ASTM D5185m >15	0	0	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	0	0	0
Barium	ppm	ASTM D5185m	3	0	2
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	<1	0	1
Magnesium	ppm	ASTM D5185m	<1	0	8
Calcium	ppm	ASTM D5185m	1	2	35
Phosphorus	ppm	ASTM D5185m	386	417	257
Zinc	ppm	ASTM D5185m	45	46	155
Sulfur	ppm	ASTM D5185m	957	922	474

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<1	<1	0
Sodium	ppm	ASTM D5185m	2	8	22
Potassium	ppm	ASTM D5185m >20	2	<1	0
Water	%	ASTM D6304 >0.1	0.008	0.006	▲ 0.192
ppm Water	ppm	ASTM D6304 >1000	83	60	▲ 1920

FLUID CLEANLINESS

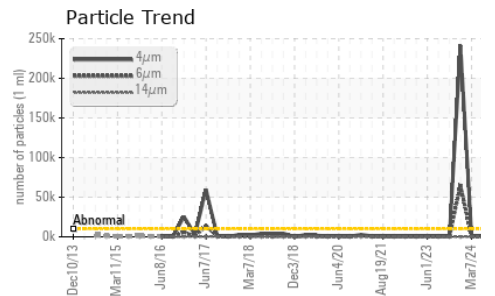
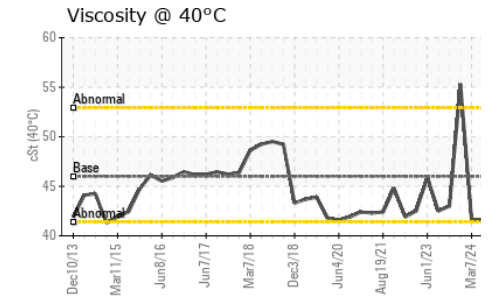
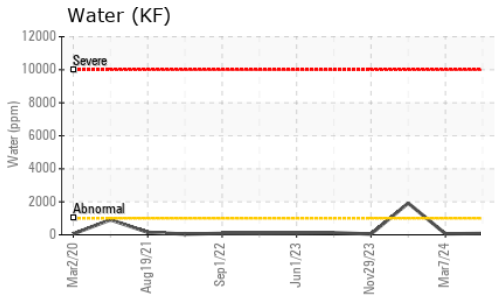
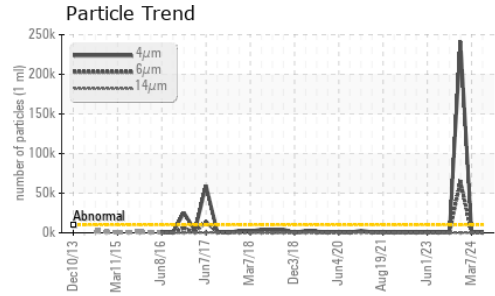
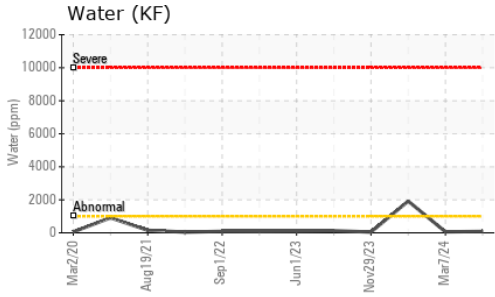
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	826	950	▲ 241314
Particles >6µm	ASTM D7647	>2500	226	226	▲ 64912
Particles >14µm	ASTM D7647	>320	18	13	139
Particles >21µm	ASTM D7647	>80	3	4	7
Particles >38µm	ASTM D7647	>20	0	1	1
Particles >71µm	ASTM D7647	>4	0	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	17/15/11	17/15/11	▲ 25/23/14

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.14	0.38	0.36	0.43



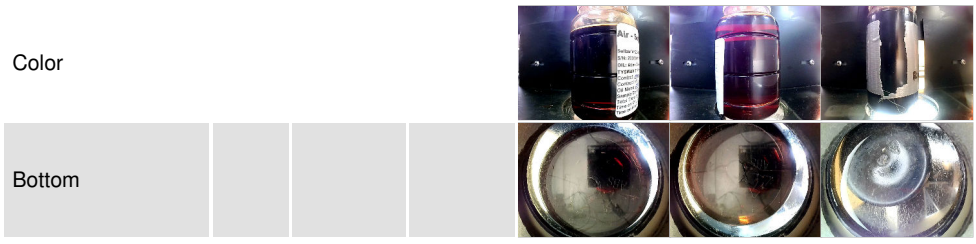
OIL ANALYSIS REPORT



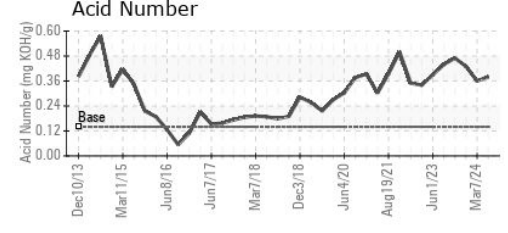
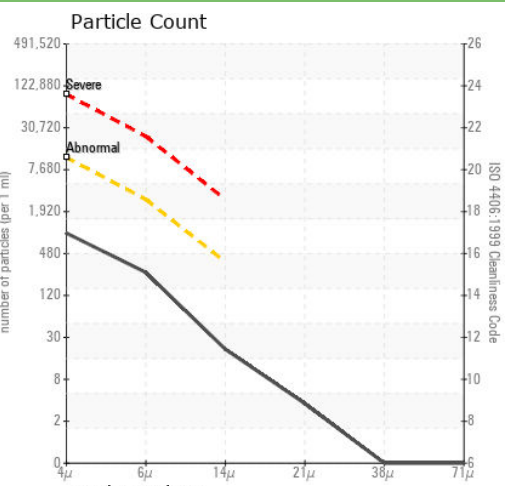
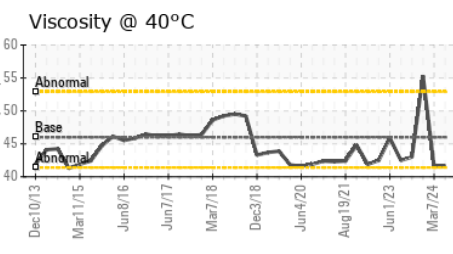
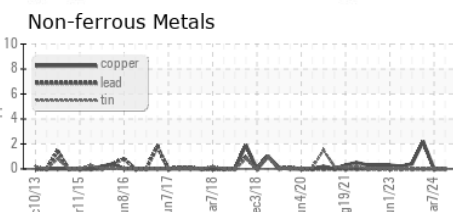
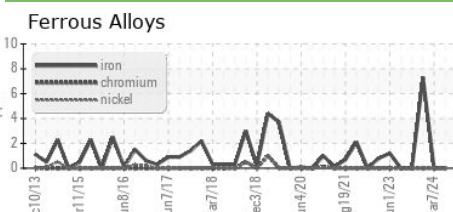
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	0.2%
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	41.6	41.6	55.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0012453 **Received** : 10 Jun 2024
Lab Number : 06204662 **Tested** : 12 Jun 2024
Unique Number : 11072123 **Diagnosed** : 12 Jun 2024 - Doug Bogart
Test Package : IND 2

TYSON - SMART CHICKEN MBA
 13151 DOVER ST
 WAVERLY, NE
 US 68462
 Contact: KURT CONTRADT
 kconradt@smartchicken.com
 T: (402)786-1072
 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)