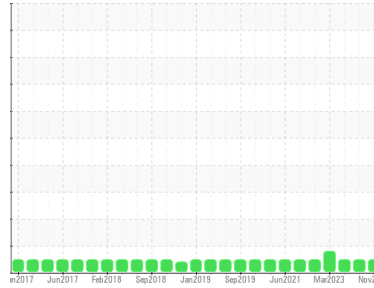




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
MOTIVE POWER
 Machine Id
SULLAIR EAST SULLAIR (S/N 200601100086)
 Component
Compressor
 Fluid
PES-FG-4601 (5 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		USP0003951	USP0000210	USP249979
Sample Date	Client Info		29 Nov 2023	31 Aug 2023	01 Jun 2023
Machine Age	hrs	Client Info	22984	22170	21535
Oil Age	hrs	Client Info	8337	1249	3000
Oil Changed	Client Info		N/A	N/A	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	3	3	2
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	<1	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	<1	<1	<1
Tin	ppm	ASTM D5185m >15	<1	0	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	0	0
Barium	ppm	ASTM D5185m	0	7	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	0	<1
Magnesium	ppm	ASTM D5185m	0	4	0
Calcium	ppm	ASTM D5185m	0	<1	<1
Phosphorus	ppm	ASTM D5185m	276	292	325
Zinc	ppm	ASTM D5185m	75	75	71
Sulfur	ppm	ASTM D5185m	204	383	449

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	0	0
Sodium	ppm	ASTM D5185m	7	6	4
Potassium	ppm	ASTM D5185m >20	0	0	<1
Water	%	ASTM D6304 >0.1	0.005	0.010	0.007
ppm Water	ppm	ASTM D6304 >1000	54	100.7	78.1

FLUID CLEANLINESS

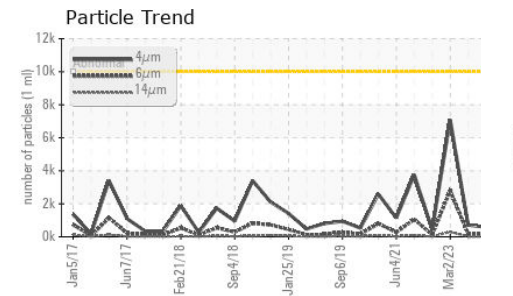
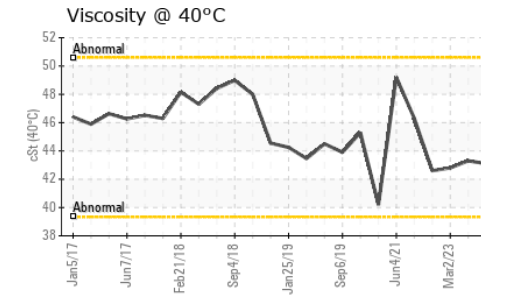
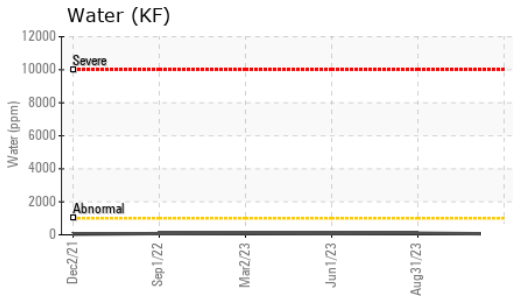
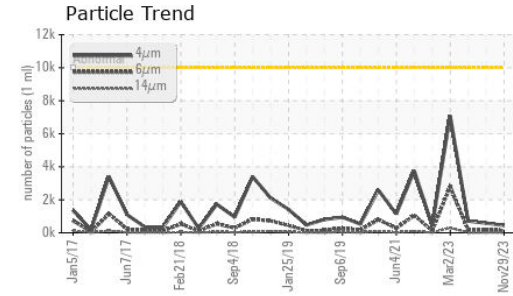
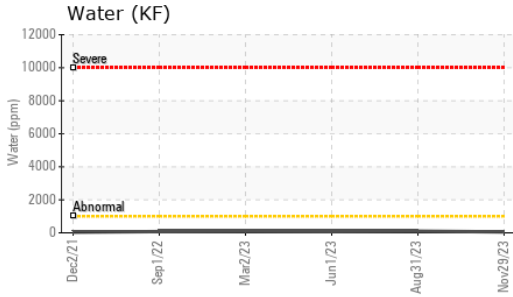
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	446	588	710
Particles >6µm	ASTM D7647	>2500	130	203	175
Particles >14µm	ASTM D7647	>320	11	22	12
Particles >21µm	ASTM D7647	>80	4	6	2
Particles >38µm	ASTM D7647	>20	0	0	0
Particles >71µm	ASTM D7647	>4	0	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	16/14/11	16/15/12	17/15/11

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.38	0.33	0.28



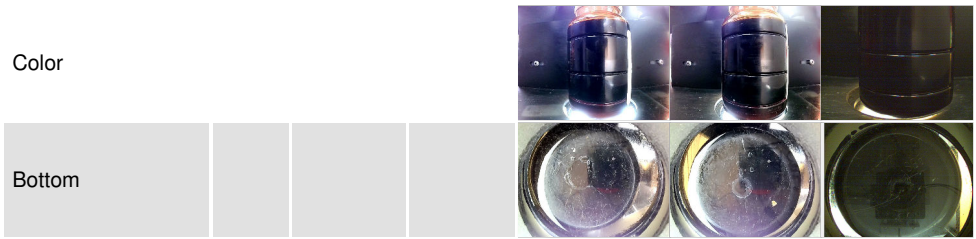
OIL ANALYSIS REPORT



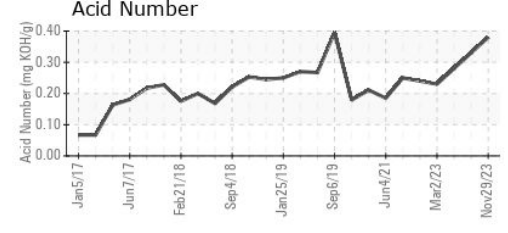
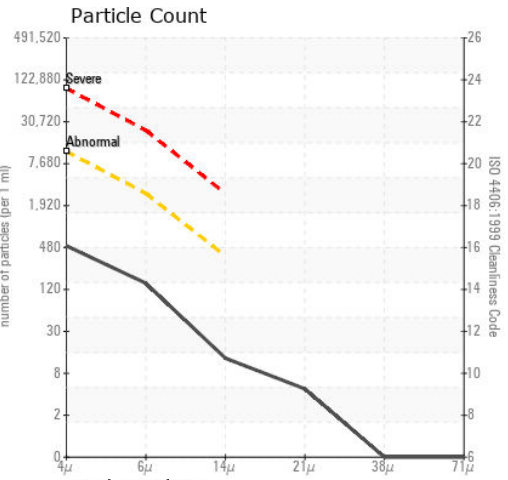
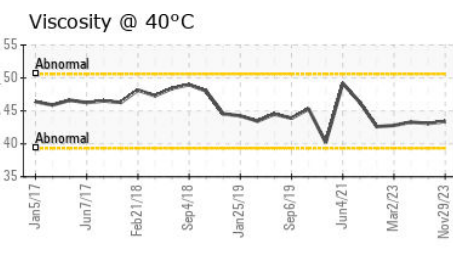
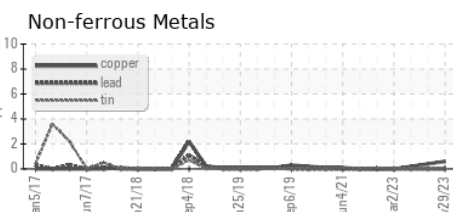
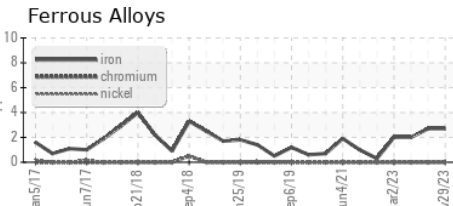
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	43.4	43.1	43.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0003951
Lab Number : 06026492
Unique Number : 10776283
Test Package : IND 2

TYSON - SMART CHICKEN MBA
 13151 DOVER ST
 WAVERLY, NE
 US 68462
 Contact: MIKE ROBOTHAM
 mrobotham@smartchicken.com
 T: (402)709-2684
 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)