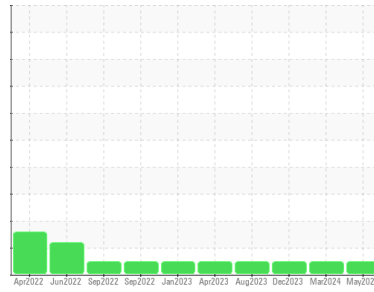




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
SC-1 (S/N 8196)
 Component
Refrigeration Compressor
 Fluid
USPI 1009-68 SC (--- 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	USP0012701	USP0006064	USP0004125
Sample Date	Client Info	30 May 2024	17 Mar 2024	11 Dec 2023
Machine Age	hrs Client Info	0	0	0
Oil Age	hrs Client Info	0	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 >8	0	0	0
Chromium ppm	ASTM D5185m >2	<1	<1	0
Nickel ppm	ASTM D5185m	0	0	0
Titanium ppm	ASTM D5185m	<1	0	0
Silver ppm	ASTM D5185m >2	0	0	0
Aluminum ppm	ASTM D5185m >3	0	0	0
Lead ppm	ASTM D5185m >2	<1	0	0
Copper ppm	ASTM D5185m >8	<1	0	0
Tin ppm	ASTM D5185m >4	<1	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	<1	0	0
Molybdenum ppm	ASTM D5185m	<1	0	0
Manganese ppm	ASTM D5185m	0	<1	0
Magnesium ppm	ASTM D5185m	0	0	0
Calcium ppm	ASTM D5185m	0	0	0
Phosphorus ppm	ASTM D5185m	<1	0	<1
Zinc ppm	ASTM D5185m	0	0	0
Sulfur ppm	ASTM D5185m 50	0	0	0

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >15	1	<1	<1
Sodium ppm	ASTM D5185m	0	<1	0
Potassium ppm	ASTM D5185m >20	<1	0	0
Water %	ASTM D6304 >0.01	0.001	0.003	0.004
ppm Water ppm	ASTM D6304 >100	14	37	43

FLUID CLEANLINESS

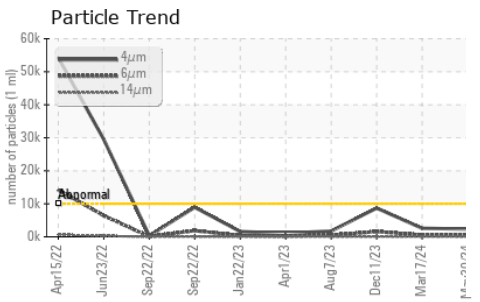
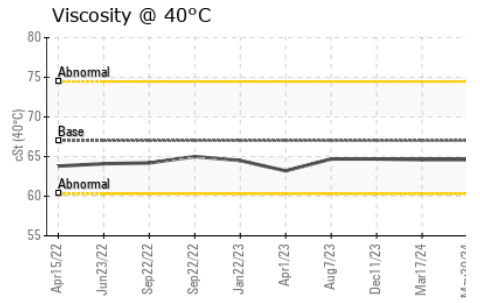
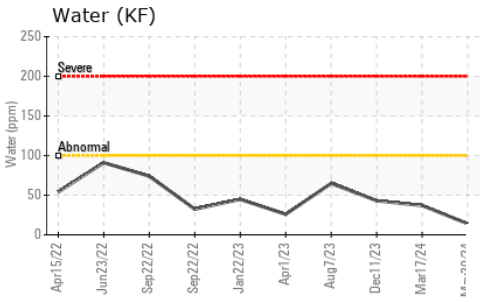
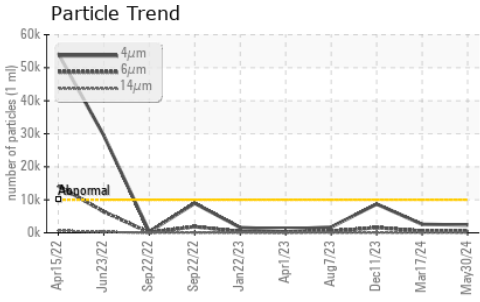
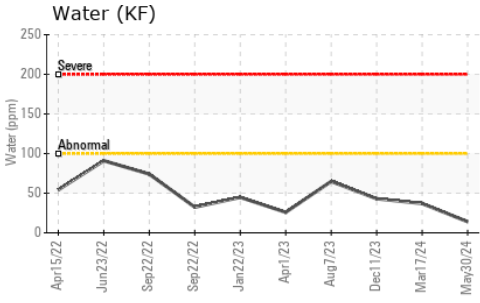
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	2341	2579	8707
Particles >6µm	ASTM D7647 >2500	679	562	1578
Particles >14µm	ASTM D7647 >320	26	23	40
Particles >21µm	ASTM D7647 >80	5	6	8
Particles >38µm	ASTM D7647 >20	0	0	0
Particles >71µm	ASTM D7647 >4	0	0	0
Oil Cleanliness	ISO 4406 (c) >20/18/15	18/17/12	19/16/12	20/18/12

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D974 0.005	0.014	0.014	0.014



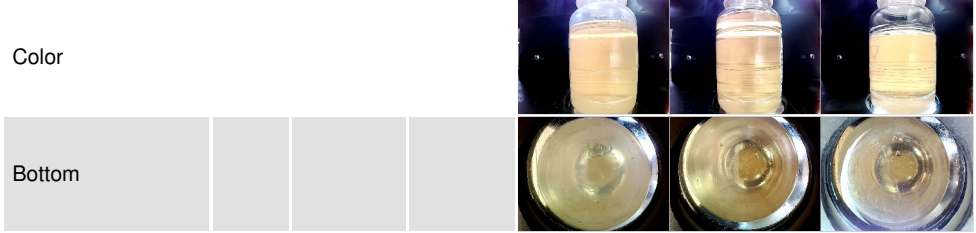
OIL ANALYSIS REPORT



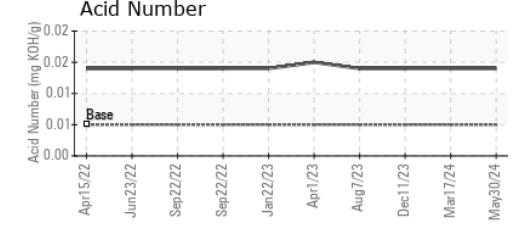
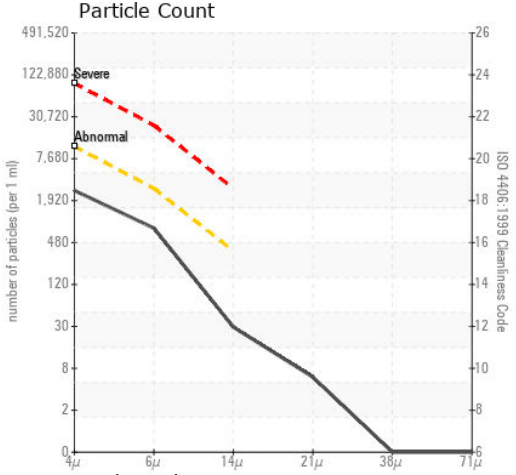
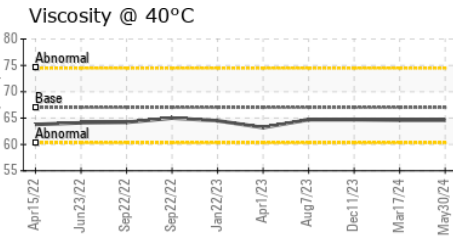
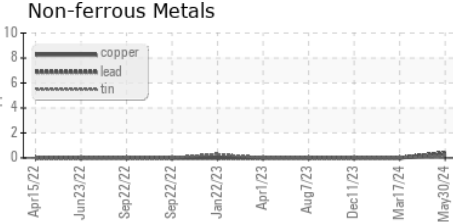
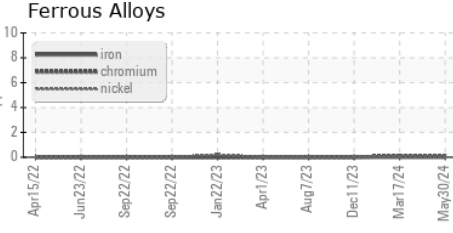
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 67	64.6	64.6	64.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0012701 **Received** : 31 May 2024
Lab Number : 06196737 **Tested** : 03 Jun 2024
Unique Number : 11058860 **Diagnosed** : 03 Jun 2024 - Doug Bogart
Test Package : IND 2

TYSON ADVANCE - AMHERST
 1833 COOPER FOSTER PARK RD
 AMHERST, OH
 US 44001
 Contact: Service Manager

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)