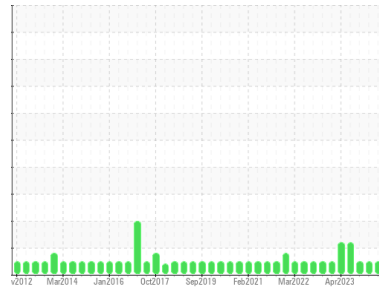




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
B-1 (S/N 4157011)
 Component
Compressor
 Fluid
USPI ALT-68 SC (250 LTR)

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	USP0014978	USP0007338	USP0005649
Sample Date	Client Info	17 Jul 2024	19 Feb 2024	24 Jan 2024
Machine Age	hrs Client Info	0	5825	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 >50	5	10	5
Chromium ppm	ASTM D5185m >10	0	<1	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	1	0
Lead ppm	ASTM D5185m >25	0	0	0
Copper ppm	ASTM D5185m >50	0	0	0
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	0	0	0
Molybdenum ppm	ASTM D5185m	0	0	0
Manganese ppm	ASTM D5185m	0	0	0
Magnesium ppm	ASTM D5185m	0	<1	0
Calcium ppm	ASTM D5185m	0	0	0
Phosphorus ppm	ASTM D5185m	0	0	0
Zinc ppm	ASTM D5185m	0	0	0
Sulfur ppm	ASTM D5185m 50	8	0	0

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >25	<1	2	<1
Sodium ppm	ASTM D5185m	<1	2	<1
Potassium ppm	ASTM D5185m >20	0	<1	0
Water %	ASTM D6304 >0.1	0.006	0.008	0.005
ppm Water ppm	ASTM D6304 >1000	62	81	60

FLUID CLEANLINESS

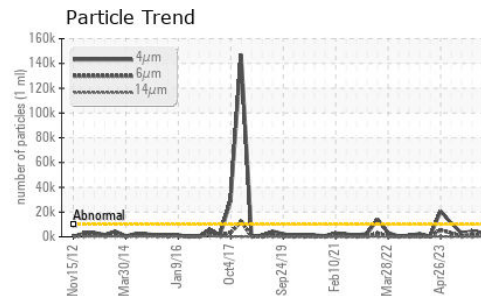
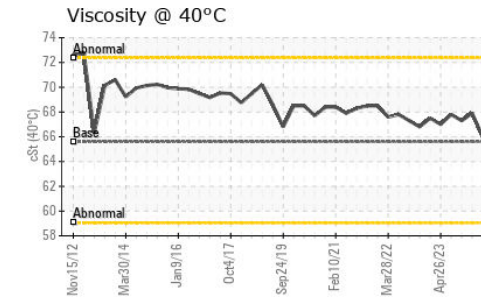
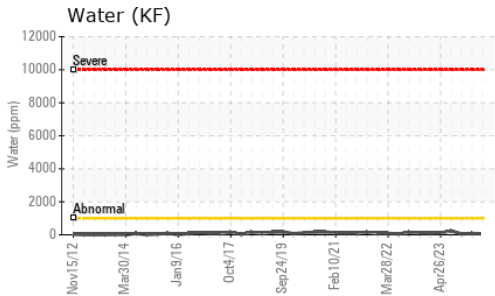
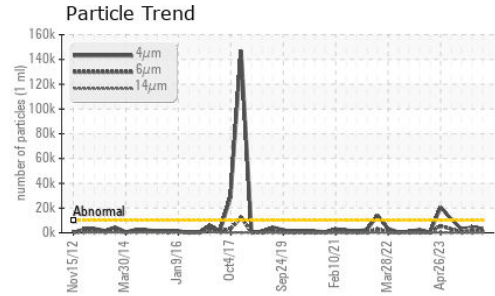
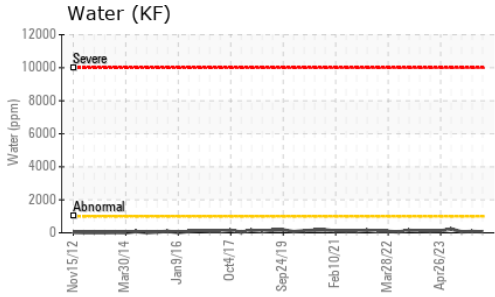
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	3451	4728	2847
Particles >6µm	ASTM D7647 >2500	1139	985	675
Particles >14µm	ASTM D7647 >320	46	33	29
Particles >21µm	ASTM D7647 >80	6	5	7
Particles >38µm	ASTM D7647 >20	0	0	0
Particles >71µm	ASTM D7647 >4	0	0	0
Oil Cleanliness	ISO 4406 (c) >20/18/15	19/17/13	19/17/12	19/17/12

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045 0.005	0.014	0.014	0.014



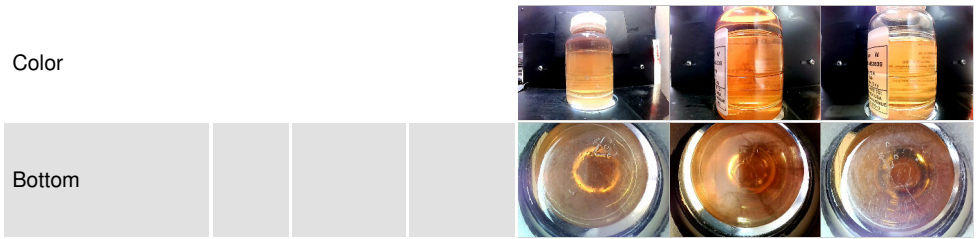
OIL ANALYSIS REPORT



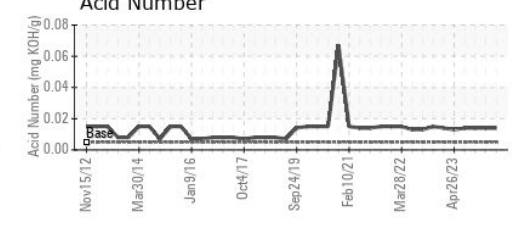
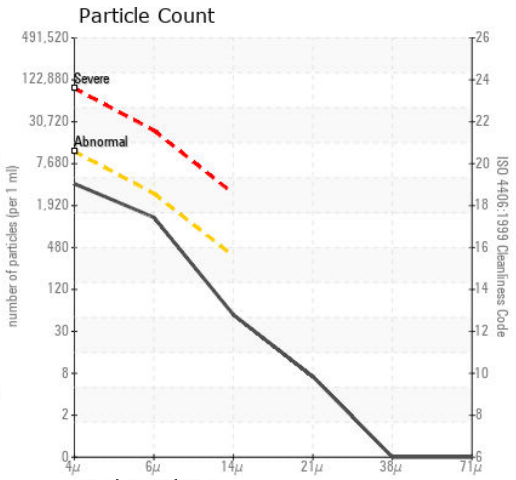
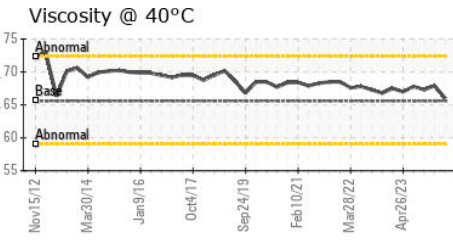
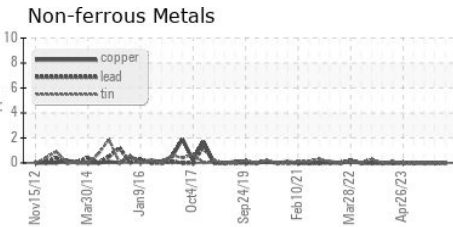
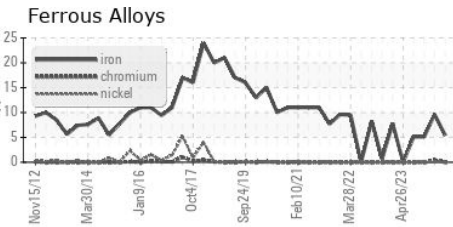
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	65.6	66.0	67.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0014978 **Received** : 18 Jul 2024
Lab Number : 06240397 **Tested** : 19 Jul 2024
Unique Number : 11129231 **Diagnosed** : 19 Jul 2024 - Doug Bogart
Test Package : IND 2

TRIUMPH FOODS
 US
 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)