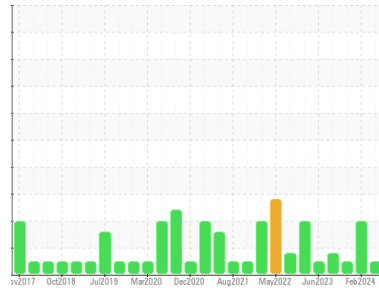




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
GRAY SKID

Component
Hydraulic System

Fluid
CITGO CITGO GLYCOL FR-40 XD (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is acceptable. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The pH level of this fluid is within the acceptable limits at 10.0. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		USP0012747	USP0007363	USP0005176
Sample Date	Client Info		29 May 2024	26 Feb 2024	03 Jan 2024
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	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	3	0	27
Chromium	ppm	ASTM D5185m >20	<1	0	<1
Nickel	ppm	ASTM D5185m >20	<1	0	2
Titanium	ppm	ASTM D5185m	<1	0	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >20	11	0	5
Lead	ppm	ASTM D5185m >20	<1	<1	<1
Copper	ppm	ASTM D5185m >20	2	0	2
Tin	ppm	ASTM D5185m >20	<1	0	2
Vanadium	ppm	ASTM D5185m	1	<1	<1
Cadmium	ppm	ASTM D5185m	1	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	4	0	4
Barium	ppm	ASTM D5185m	<1	0	0
Molybdenum	ppm	ASTM D5185m	<1	0	<1
Manganese	ppm	ASTM D5185m	1	<1	1
Magnesium	ppm	ASTM D5185m	2	0	3
Calcium	ppm	ASTM D5185m	11	0	26
Phosphorus	ppm	ASTM D5185m	35	0	64
Zinc	ppm	ASTM D5185m	93	7	51
Sulfur	ppm	ASTM D5185m	70	0	0

CONTAMINANTS

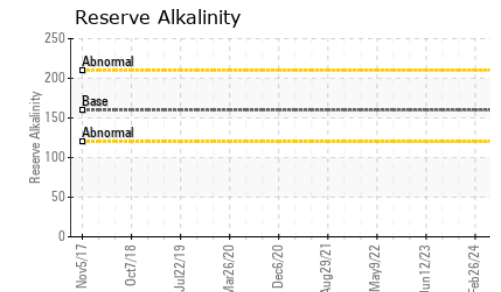
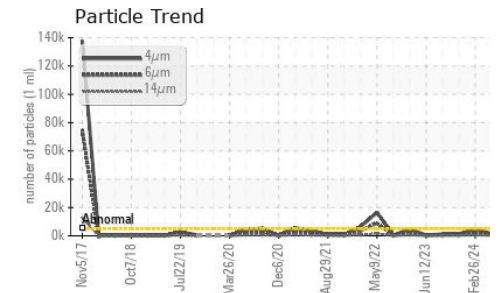
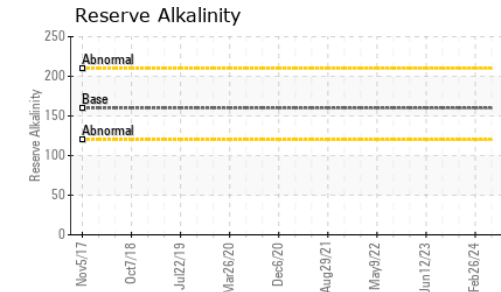
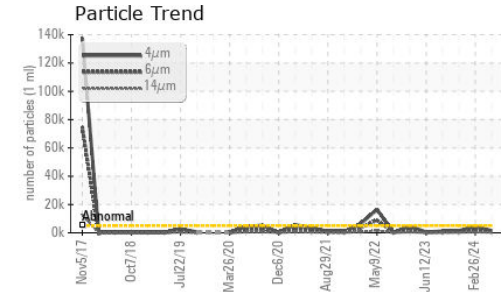
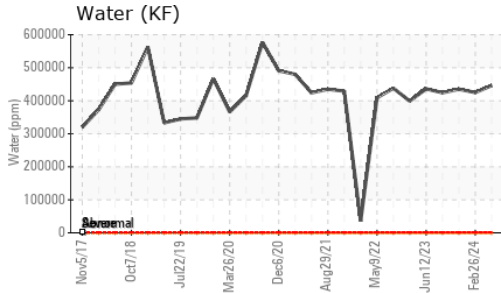
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	3	<1	4
Sodium	ppm	ASTM D5185m	51	0	16
Potassium	ppm	ASTM D5185m >20	8	1	3
Chlorine	ppm	ASTM D5185m	---	---	---
Water	%	ASTM D6304 >50	44.6	42.5	43.5
ppm Water	ppm	ASTM D6304	446000	425000	435000

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	1540	4463	1531
Particles >6µm	ASTM D7647	>1300	839	● 2431	834
Particles >14µm	ASTM D7647	>160	143	▲ 414	142
Particles >21µm	ASTM D7647	>40	48	▲ 139	48
Particles >38µm	ASTM D7647	>10	7	▲ 22	7
Particles >71µm	ASTM D7647	>3	1	2	1
Oil Cleanliness	ISO 4406 (c)	>19/17/14	18/17/14	▲ 19/18/16	18/17/14



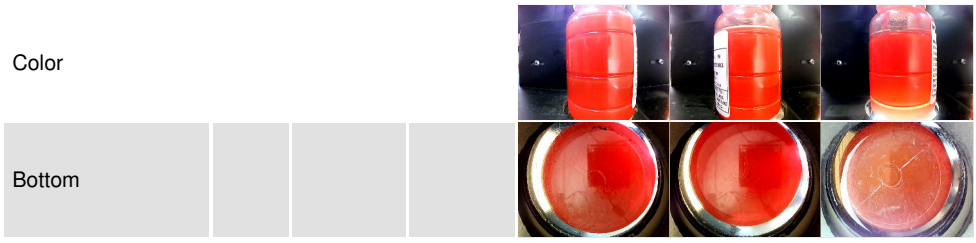
OIL ANALYSIS REPORT



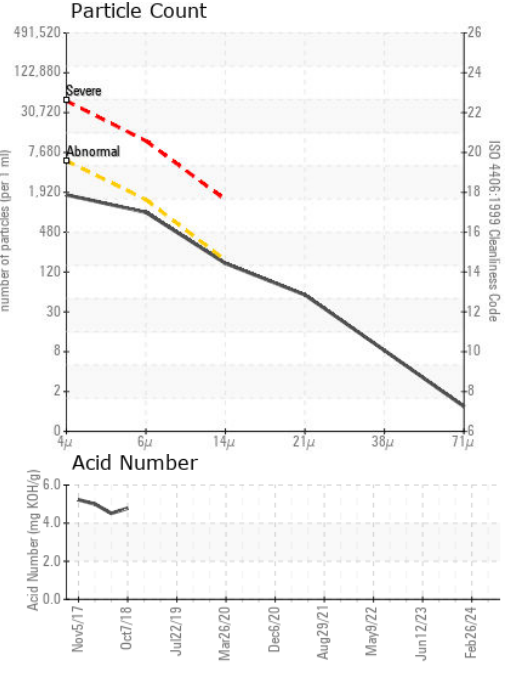
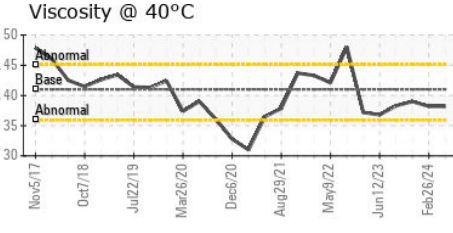
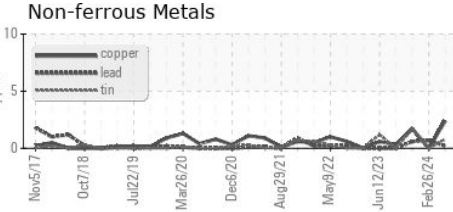
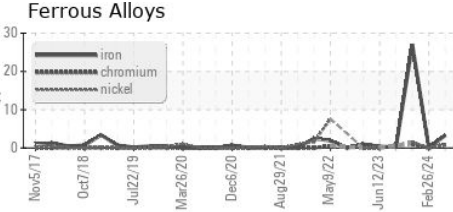
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>50	0.2%	0.2%
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
pH	Scale 0-14	ASTM D1287	10.0	10.0	9.00
Visc @ 40°C	cSt	ASTM D445	41	38.2	39.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0012747 **Received** : 30 May 2024
Lab Number : **06195489** **Tested** : 31 May 2024
Unique Number : 11057612 **Diagnosed** : 31 May 2024 - Doug Bogart
Test Package : IND 2 (Additional Tests: pH, ReserveAlk)

TYSON ADVANCEPIERRE FOODS
 201 S RALEIGH RD
 ENID, OK
 US 73701
 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)