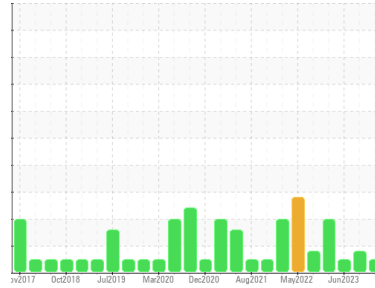




OIL ANALYSIS REPORT

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 negligible. 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 9.0. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	USP0005176	USPM29532	USP250516
Sample Date	Client Info	03 Jan 2024	30 Aug 2023	12 Jun 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	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	27	▲ <1	<1
Chromium	ppm	ASTM D5185m >20	<1	---	0
Nickel	ppm	ASTM D5185m >20	2	---	<1
Titanium	ppm	ASTM D5185m	<1	---	0
Silver	ppm	ASTM D5185m	0	---	<1
Aluminum	ppm	ASTM D5185m >20	5	0	0
Lead	ppm	ASTM D5185m >20	<1	0	0
Copper	ppm	ASTM D5185m >20	2	<1	<1
Tin	ppm	ASTM D5185m >20	2	0	1
Vanadium	ppm	ASTM D5185m	<1	---	0
Cadmium	ppm	ASTM D5185m	<1	---	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	4	2	0
Barium	ppm	ASTM D5185m	0	---	0
Molybdenum	ppm	ASTM D5185m	<1	0	0
Manganese	ppm	ASTM D5185m	1	---	<1
Magnesium	ppm	ASTM D5185m	3	0	2
Calcium	ppm	ASTM D5185m	26	<1	7
Phosphorus	ppm	ASTM D5185m	64	0	21
Zinc	ppm	ASTM D5185m	51	0	43
Sulfur	ppm	ASTM D5185m	0	4	15

CONTAMINANTS

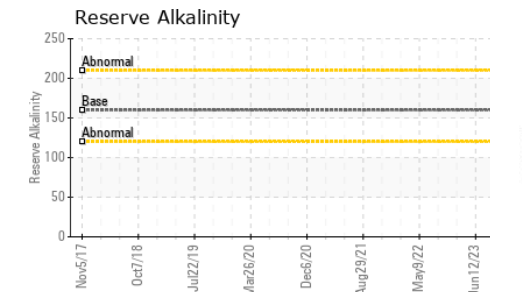
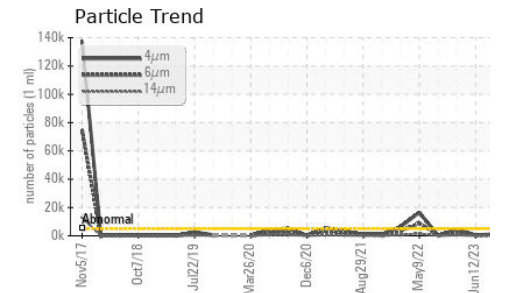
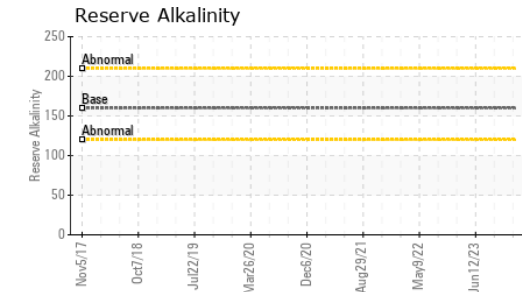
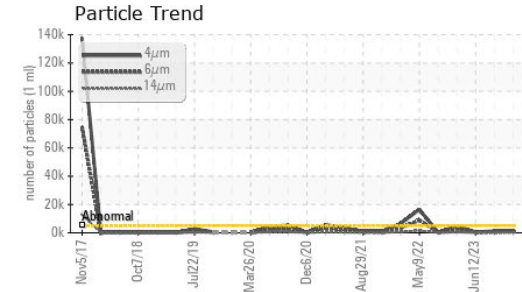
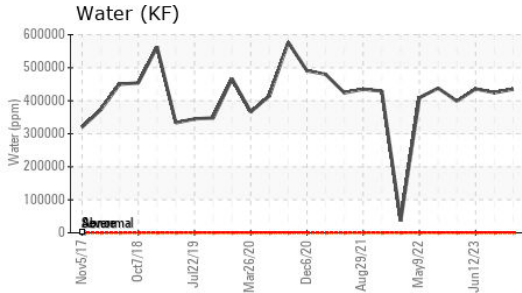
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >15	4	0	0
Sodium	ppm	ASTM D5185m	16	8	0
Potassium	ppm	ASTM D5185m >20	3	0	<1
Chlorine	ppm	ASTM D5185m	---	7	---
Water	%	ASTM D6304 >50	43.5	42.4	43.6
ppm Water	ppm	ASTM D6304	435000	424300	436000

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	1531	1235	557
Particles >6µm	ASTM D7647 >1300	834	673	303
Particles >14µm	ASTM D7647 >160	142	115	52
Particles >21µm	ASTM D7647 >40	48	39	17
Particles >38µm	ASTM D7647 >10	7	6	3
Particles >71µm	ASTM D7647 >3	1	1	0
Oil Cleanliness	ISO 4406 (c) >19/17/14	18/17/14	17/17/14	16/15/13



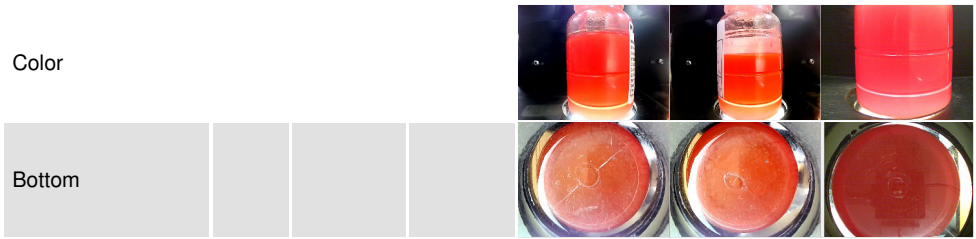
OIL ANALYSIS REPORT



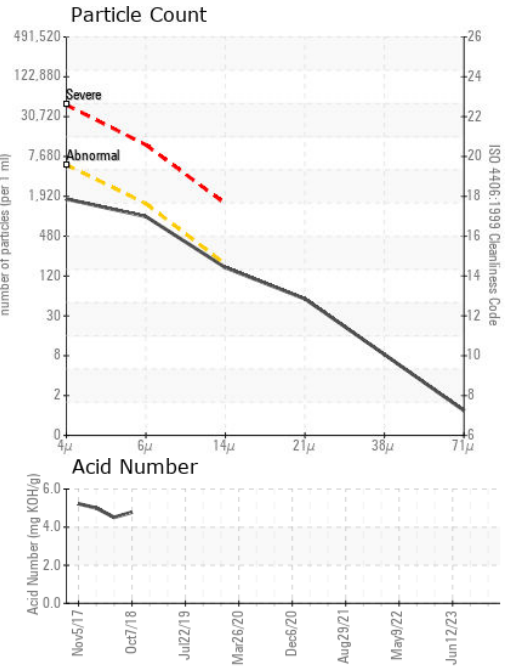
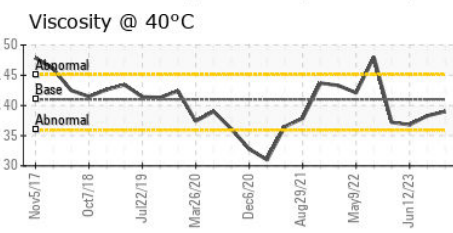
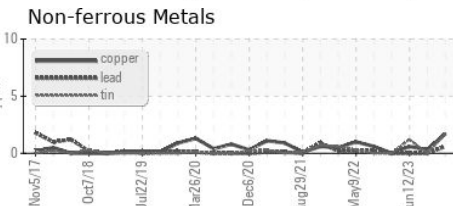
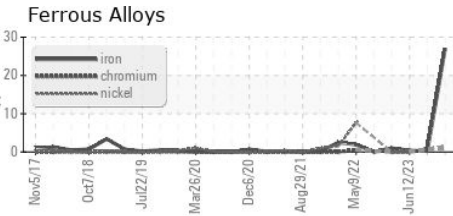
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
pH	Scale 0-14	ASTM D1287	9.00	10.0	8.00
Visc @ 40°C	cSt	ASTM D445	41	38.3	36.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP0005176 **Received** : 08 Jan 2024
Lab Number : 06054957 **Diagnosed** : 11 Jan 2024
Unique Number : 10820906 **Diagnostician** : 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)