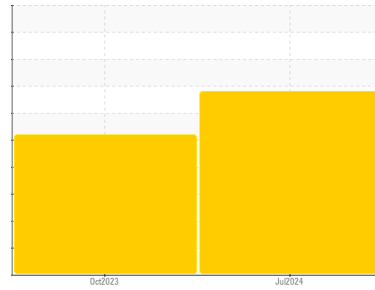




# OIL ANALYSIS REPORT

Sample Rating Trend



**WATER**



Machine Id

## EX SLIP STICK 18 (NORTH PLANT)

Component

**Gearbox**

Fluid

**JAX Flow Guard ISO FG 150 (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

Recommend drain oil if not already done and flush before refilling with oil. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.

#### ▲ Wear

Gear wear is indicated.

#### ▲ Contamination

Appearance is milky. Elemental level of silicon (Si) above normal indicating ingress of seal material. Moderate concentration of visible dirt/debris present in the oil. There is a moderate concentration of water present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>USP0012363</b>	USP0002872	---
Sample Date	Client Info		<b>15 Jul 2024</b>	29 Oct 2023	---
Machine Age	hrs	Client Info	<b>0</b>	0	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

### WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>200	▲ <b>190</b>	19	---
Chromium	ppm	ASTM D5185m	>15	▲ <b>25</b>	3	---
Nickel	ppm	ASTM D5185m	>15	● <b>10</b>	2	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>8</b>	1	---
Lead	ppm	ASTM D5185m	>100	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>200	<b>0</b>	0	---
Tin	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	---

### ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>57</b>	6	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>2</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>12</b>	2	---
Calcium	ppm	ASTM D5185m		<b>1245</b>	130	---
Phosphorus	ppm	ASTM D5185m		<b>615</b>	392	---
Zinc	ppm	ASTM D5185m		<b>390</b>	73	---
Sulfur	ppm	ASTM D5185m		<b>806</b>	633	---

### CONTAMINANTS

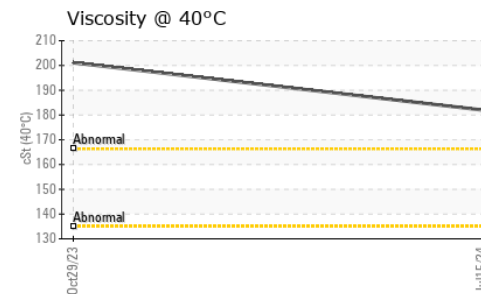
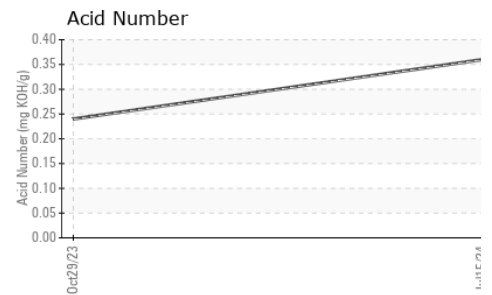
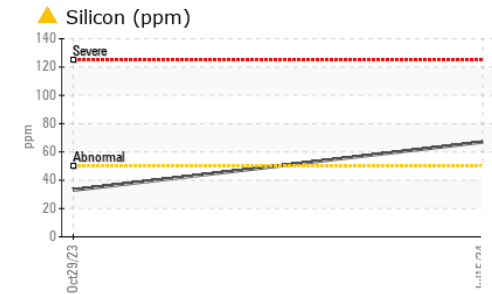
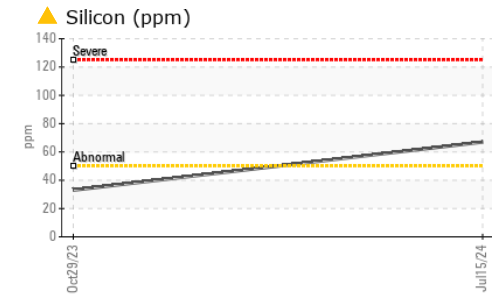
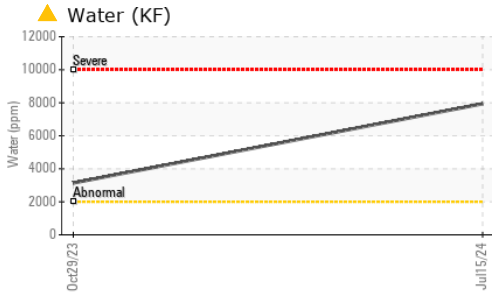
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>50	▲ <b>67</b>	33	---
Sodium	ppm	ASTM D5185m		<b>22</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	1	---
Water	%	ASTM D6304	>0.2	▲ <b>0.794</b>	▲ 0.314	---
ppm Water	ppm	ASTM D6304	>2000	▲ <b>7940</b>	▲ 3140	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.36</b>	0.24	---



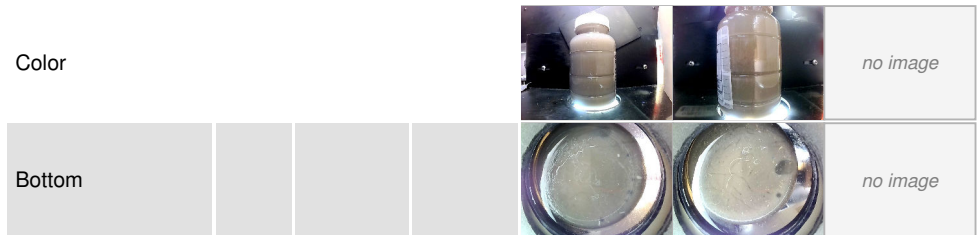
# OIL ANALYSIS REPORT



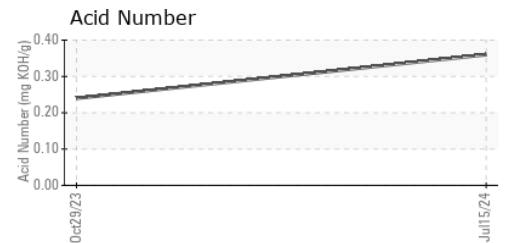
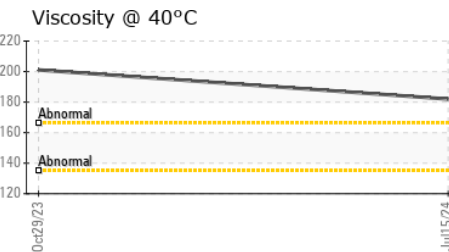
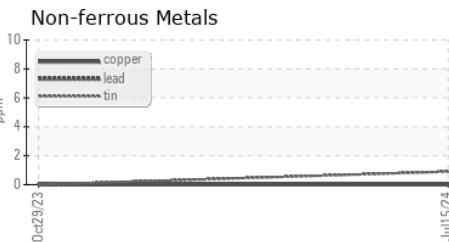
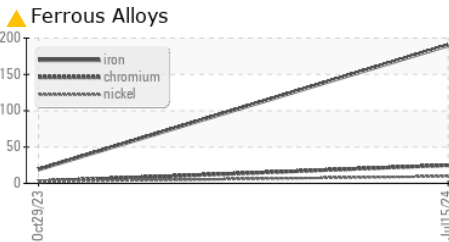
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	▲ HEAVY	---
Debris	scalar	*Visual	▲ MODER	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	● MILKY	● MILKY	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	0.2%	---
Free Water	scalar	*Visual	NEG	▲ 1.0	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	182	● 201.1	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : USP0012363  
**Lab Number** : 06237828  
**Unique Number** : 11126662  
**Test Package** : IND 2

**Received** : 16 Jul 2024  
**Tested** : 18 Jul 2024  
**Diagnosed** : 18 Jul 2024 - Doug Bogart

**TYSON HILLSHIRE - SAINT JOSEPH**  
 5807 MITCHELL AVE  
 SAINT JOSEPH, MO  
 US 64507  
 Contact:

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)

T:  
F: