

# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**

 Machine Id  
**TAYLOR JLS900L FL-34 (S/N 17495)**

 Component  
**Hydraulic System**

 Fluid  
**AW HYDRAULIC OIL ISO 46 (--- LTR)**

**DIAGNOSIS**
**▲ Recommendation**

Oil and filter change at the time of sampling has been noted. 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**

The iron level is abnormal. All other component wear rates are normal.

**▲ Contamination**

Moderate concentration of visible dirt/debris present in the oil.

**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		<b>PCA0113920</b>	---	---
Sample Date	Client Info		<b>05 Mar 2024</b>	---	---
Machine Age	hrs	Client Info	<b>9756</b>	---	---
Oil Age	hrs	Client Info	<b>2000</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

**CONTAMINATION**

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	---	---

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>▲ 56</b>	---	---
Chromium	ppm	ASTM D5185m >10	<b>2</b>	---	---
Nickel	ppm	ASTM D5185m >10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m	<b>0</b>	---	---
Silver	ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >10	<b>0</b>	---	---
Lead	ppm	ASTM D5185m >10	<b>0</b>	---	---
Copper	ppm	ASTM D5185m >75	<b>2</b>	---	---
Tin	ppm	ASTM D5185m >10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	---	---

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	<b>1</b>	---	---
Barium	ppm	ASTM D5185m 5	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m 5	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m 25	<b>2</b>	---	---
Calcium	ppm	ASTM D5185m 200	<b>82</b>	---	---
Phosphorus	ppm	ASTM D5185m 300	<b>352</b>	---	---
Zinc	ppm	ASTM D5185m 370	<b>428</b>	---	---
Sulfur	ppm	ASTM D5185m 2500	<b>1455</b>	---	---

**CONTAMINANTS**

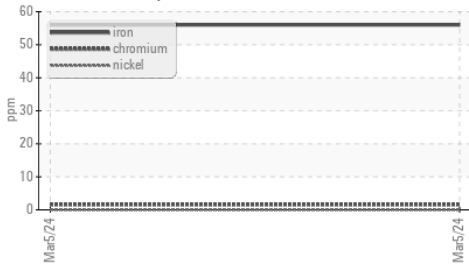
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>3</b>	---	---
Sodium	ppm	ASTM D5185m	<b>1</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	---	---

**FLUID DEGRADATION**

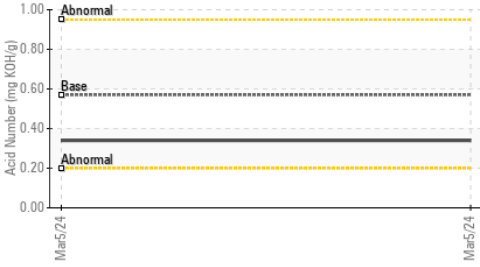
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.57	<b>0.34</b>	---	---

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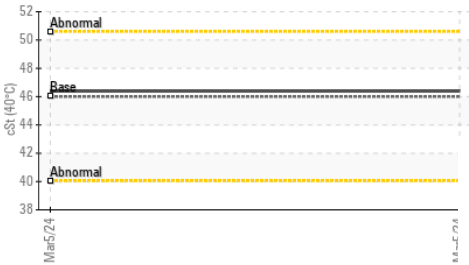
### ▲ Ferrous Alloys



### Acid Number



### Viscosity @ 40°C



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	NONE	---
Debris	scalar	*Visual	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	46.4	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

### GRAPHS

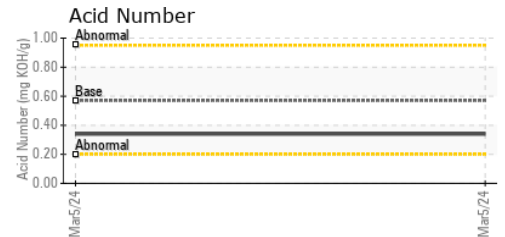
#### ▲ Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0113920      **Received** : 13 Mar 2024  
**Lab Number** : 06117091      **Tested** : 15 Mar 2024  
**Unique Number** : 10925924      **Diagnosed** : 15 Mar 2024 - Jonathan Hester  
**Test Package** : MOB 2

**SCRAP METAL SERVICES (SMS Mill Services LLC)**  
 250 WEST U.S. HWY 12  
 CHESTERTON, IN  
 US 46304  
 Contact: WALTER MURRAY  
 wmurray@scrapmetalservices.com  
 T: (219)787-1341  
 F:

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)