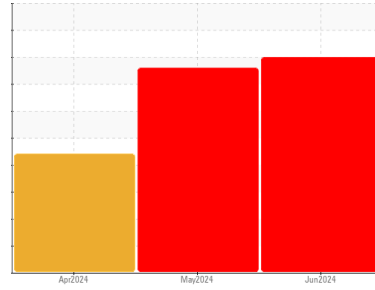


# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**ENDEX**  
Component  
**Lube System**  
Fluid

**TULCO 0478095 LUBSOIL STEAM CYLINDER 460 (--- GAL)**

**DIAGNOSIS**

**Recommendation**

We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

**Wear**

The iron level is abnormal.

**Contamination**

Appearance is milky. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

**Fluid Condition**

The AN level is acceptable for this fluid.

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>TO60000904</b>	TO60000904	TO60000904
Sample Date	Client Info		<b>17 Jun 2024</b>	18 May 2024	12 Apr 2024
Machine Age	days	Client Info	<b>48</b>	35	7
Oil Age	days	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

**WEAR METALS**

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>▲ 53</b>	▲ 146	▲ 81
Iron	ppm	ASTM D5185m >20	<b>▲ 109</b>	▲ 246	▲ 107
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	2	<1
Nickel	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	<b>4</b>	9	4
Silver	ppm	ASTM D5185m	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m >20	<b>● 4</b>	2	1
Lead	ppm	ASTM D5185m >20	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >20	<b>8</b>	▲ 21	14
Tin	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>1</b>	0	0
Barium	ppm	ASTM D5185m	<b>12</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>2</b>	2	1
Magnesium	ppm	ASTM D5185m	<b>5</b>	0	0
Calcium	ppm	ASTM D5185m	<b>9</b>	3	11
Phosphorus	ppm	ASTM D5185m	<b>109</b>	74	77
Zinc	ppm	ASTM D5185m	<b>3</b>	11	0
Sulfur	ppm	ASTM D5185m	<b>7597</b>	8623	8522

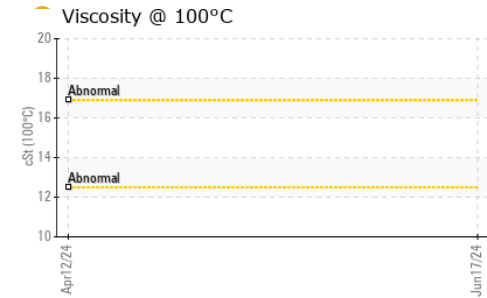
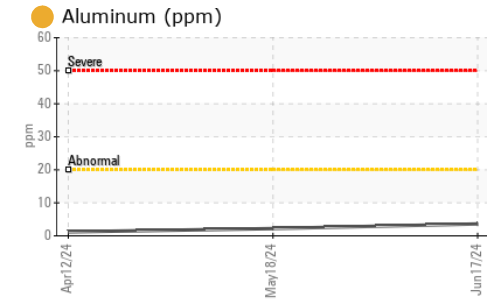
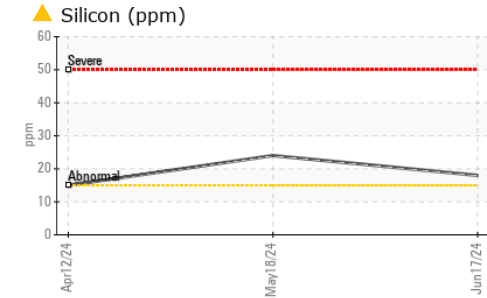
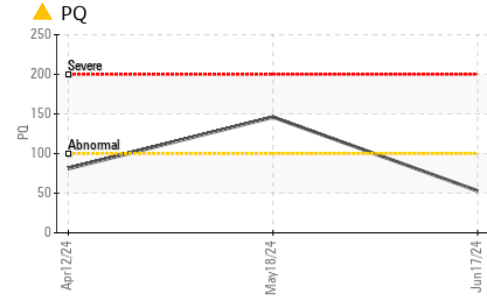
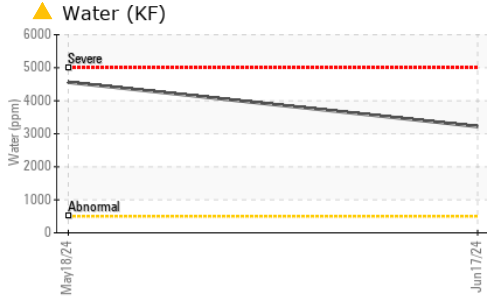
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>▲ 18</b>	▲ 24	▲ 15
Sodium	ppm	ASTM D5185m	<b>7</b>	16	10
Potassium	ppm	ASTM D5185m >20	<b>4</b>	4	3
Water	%	ASTM D6304 >0.05	<b>▲ 0.322</b>	▲ 0.456	---
ppm Water	ppm	ASTM D6304 >500	<b>▲ 3220</b>	▲ 4560	---

**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.44</b>	---	---

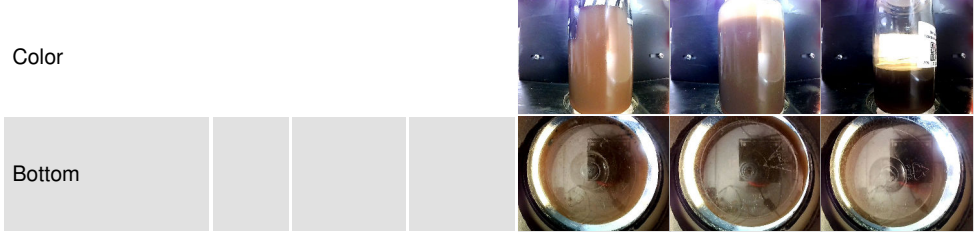
# OIL ANALYSIS REPORT



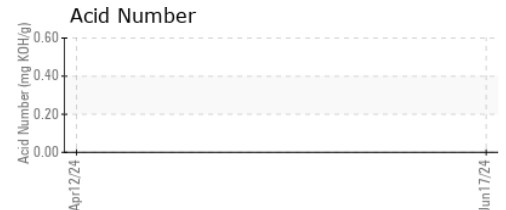
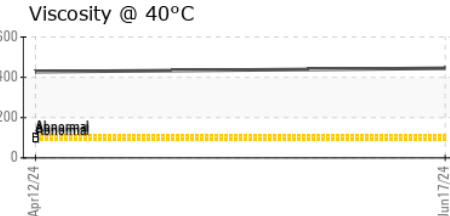
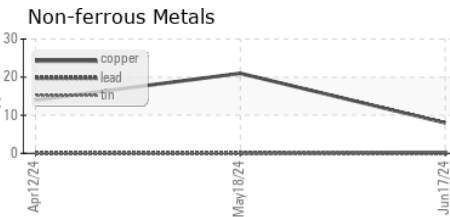
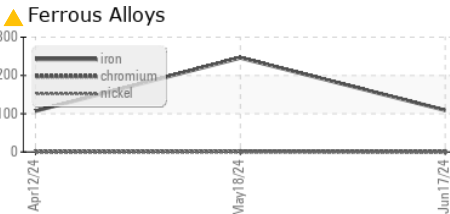
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	▲ MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	● MILKY	● MILKY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	445	---	427.9
Visc @ 100°C	cSt	ASTM D445	18.8	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO60000904 **Received** : 19 Jun 2024  
**Lab Number** : 06214880 **Tested** : 20 Jun 2024  
**Unique Number** : 11087744 **Diagnosed** : 20 Jun 2024 - Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PQ, VI )

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)

**GENERAL CABLE**  
 1453 S. WASHINGTON ST.  
 DU QUION, IL  
 US 62832  
 Contact: JEREMY  
 jeremy.dodd@prysmian.com  
 T: (618)542-4761  
 F: (618)542-6914