

# PROBLEM SUMMARY

Sample Rating Trend



**SEDIMENT**



Machine Id  
**HEAT TRANSFER**  
 Component  
**Heat Transfer Fluid**  
 Fluid  
**ESSO THERMOIL 46 (--- LTR)**

## COMPONENT CONDITION SUMMARY

No relevant graphs to display

## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. Please note that this is a corrected copy for data entry updates.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Silt	scalar	*Visual	NONE	<b>▲ MODER</b>	---	---

**Customer Id:** ERGPRO  
**Sample No.:** TO10002910  
**Lab Number:** 06027159  
**Test Package:** IND 2



To manage this report scan the QR code

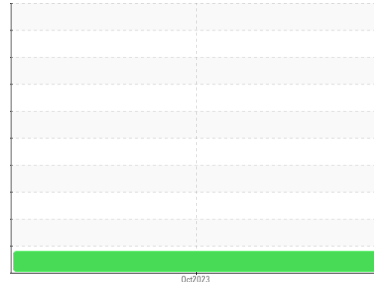
To discuss the diagnosis or test data:  
 Doug Bogart +1 (800)237-1369 x4016  
[dougb@wearcheckusa.com](mailto:dougb@wearcheckusa.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.
Alert	---	---	?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

## HISTORICAL DIAGNOSIS



Machine Id  
**HEAT TRANSFER**  
 Component  
**Heat Transfer Fluid**  
 Fluid  
**ESSO THERMOIL 46 (--- LTR)**

**DIAGNOSIS**

**▲ Recommendation**  
 We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. Please note that this is a corrected copy for data entry updates.

**Wear**  
 All component wear rates are normal.

**▲ Contamination**  
 There is a moderate amount of visible silt present in the sample.

**Fluid Condition**  
 The AN level is acceptable for this fluid. The condition of the fluid is acceptable for the time in service.

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>TO10002910</b>	---	---
Sample Date	Client Info		<b>12 Oct 2023</b>	---	---
Machine Age	yrs	Client Info	<b>8</b>	---	---
Oil Age	yrs	Client Info	<b>3</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<b>57</b>	---	---
Chromium	ppm	ASTM D5185m >21	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m >21	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m >21	<b>0</b>	---	---
Silver	ppm	ASTM D5185m >21	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >21	<b>2</b>	---	---
Lead	ppm	ASTM D5185m >21	<b>0</b>	---	---
Copper	ppm	ASTM D5185m >21	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185m >21	<b>&lt;1</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	<b>0</b>	---	---
Barium	ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>12</b>	---	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>3</b>	---	---
Calcium	ppm	ASTM D5185m 110	<b>30</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>5</b>	---	---
Zinc	ppm	ASTM D5185m	<b>0</b>	---	---
Sulfur	ppm	ASTM D5185m 80	<b>847</b>	---	---

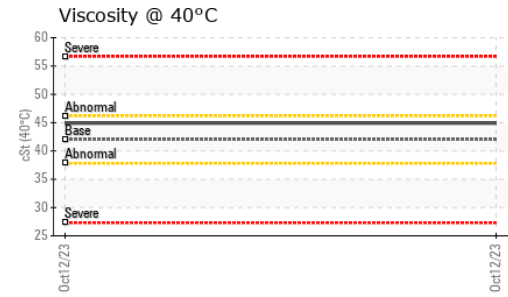
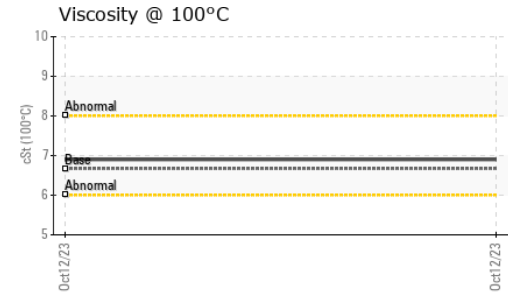
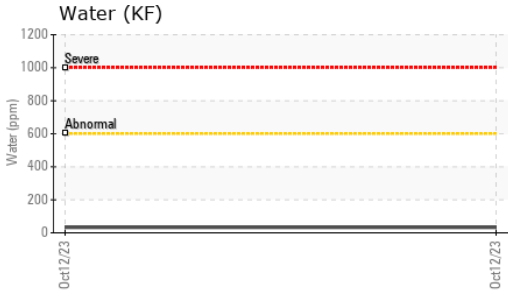
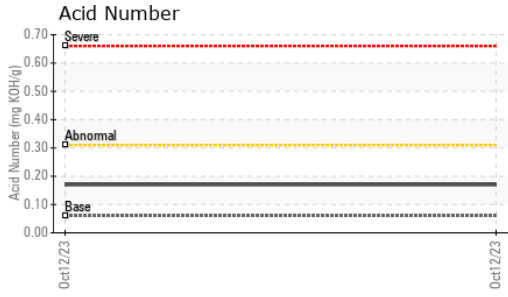
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>2</b>	---	---
Sodium	ppm	ASTM D5185m >21	<b>6</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>1</b>	---	---
Water	%	ASTM D6304 >0.0601	<b>0.003</b>	---	---
ppm Water	ppm	ASTM D6304 >601	<b>33</b>	---	---

**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.06	<b>0.17</b>	---	---

# OIL ANALYSIS REPORT

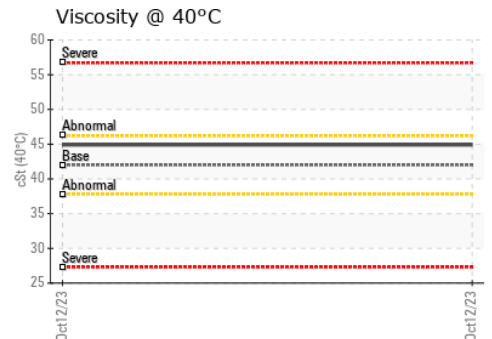


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	▲ MODER	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.0601	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	42.0	44.9	---
Visc @ 100°C	cSt	ASTM D445	6.67	6.9	---
Viscosity Index (VI)	Scale	ASTM D2270	112	109	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO10002910 **Received** : 06 Dec 2023  
**Lab Number** : 06027159 **Diagnosed** : 12 Dec 2023  
**Unique Number** : 10776950 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**ERGON - PROGRESO**  
 CARRETERA MERIDA - PUERTO PROGRESO  
 PROGRESO, ZZ  
 MX  
 Contact: TOMAS OLIVEROS

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)

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F: