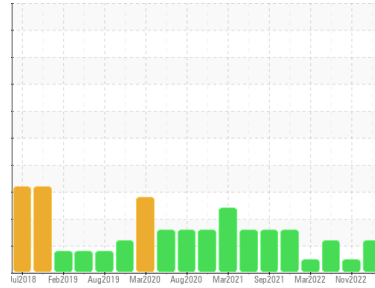


# PROBLEM SUMMARY

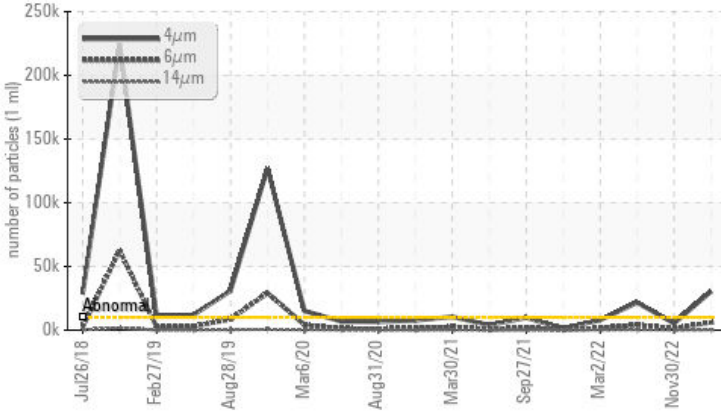
Sample Rating Trend



Area  
**EDWARD PLANT**  
 Machine Id  
**C-2162 (S/N XC0600)**  
 Component  
**Refrigeration Compressor**  
 Fluid  
**TULCO LUBSOIL SYN RL WI 100 (250 GAL)**

## COMPONENT CONDITION SUMMARY

▲ Particle Trend



### RECOMMENDATION

No corrective action is recommended at this time.  
 Resample at the next service interval to monitor.

### PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	NORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>10000	▲ 30352	5264	▲ 21627
Particles >6µm	ASTM D7647	>2500	▲ 6049	1355	▲ 4264
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 22/20/15	20/18/13	▲ 22/19/15

Customer Id: TAREDWA  
 Sample No.: TO90002251  
 Lab Number: 05931578  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

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

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

### 30 Nov 2022 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 07 Sep 2022 Diag: Doug Bogart

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 02 Mar 2022 Diag: Angela Borella

NORMAL

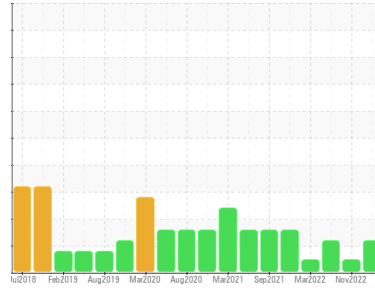


Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



Area  
**EDWARD PLANT**  
 Machine Id  
**C-2162 (S/N XC0600)**  
 Component  
**Refrigeration Compressor**  
 Fluid  
**TULCO LUBSOIL SYN RL WI 100 (250 GAL)**



**DIAGNOSIS**

**Recommendation**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor.

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

**Contamination**  
 There is a high amount of silt (particulates < 14 microns in size) 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>TO90002251</b>	TO90002358	TO9012503
Sample Date	Client Info	<b>14 Aug 2023</b>	30 Nov 2022	07 Sep 2022
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	Not Changd
Sample Status		<b>ABNORMAL</b>	NORMAL	ABNORMAL

**WEAR METALS**

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >8	<b>6</b>	2	7
Chromium	ppm	ASTM D5185m >2	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m >2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m >3	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m >2	<b>0</b>	2	0
Copper	ppm	ASTM D5185m >8	<b>1</b>	<1	0
Tin	ppm	ASTM D5185m >4	<b>3</b>	1	2
Antimony	ppm	ASTM D5185m	<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	0

**ADDITIVES**

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	<b>0</b>	2	0
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>1</b>	10	0
Calcium	ppm	ASTM D5185m	<b>44</b>	8	45
Phosphorus	ppm	ASTM D5185m 1500	<b>683</b>	102	263
Zinc	ppm	ASTM D5185m	<b>0</b>	6	8
Sulfur	ppm	ASTM D5185m	<b>114</b>	0	72

**CONTAMINANTS**

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >15	<b>4</b>	1	2
Sodium	ppm	ASTM D5185m	<b>1</b>	6	<1
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	25	0
Water	%	ASTM D6304 >2.26	<b>0.033</b>	0.103	0.019
ppm Water	ppm	ASTM D6304 >22600	<b>333.6</b>	1037.8	197.7

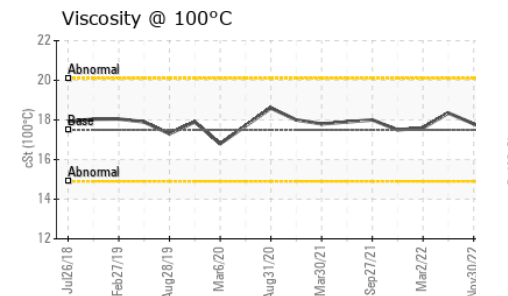
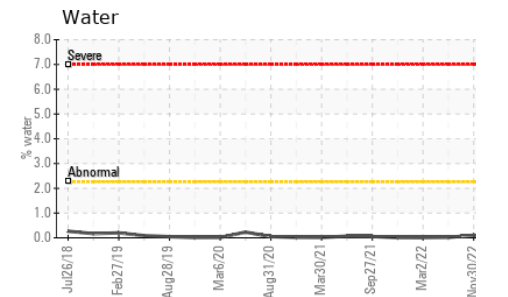
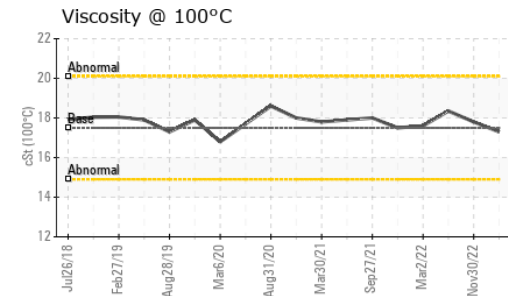
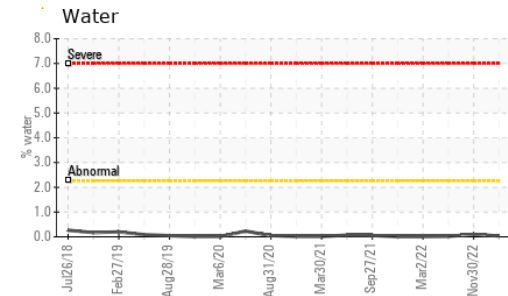
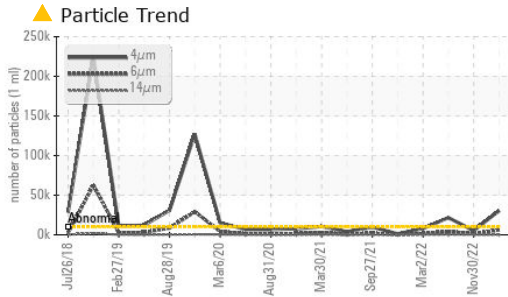
**FLUID CLEANLINESS**

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	<b>▲ 30352</b>	5264	▲ 21627
Particles >6µm	ASTM D7647 >2500	<b>▲ 6049</b>	1355	▲ 4264
Particles >14µm	ASTM D7647 >320	<b>219</b>	80	300
Particles >21µm	ASTM D7647 >80	<b>42</b>	14	73
Particles >38µm	ASTM D7647 >20	<b>1</b>	1	1
Particles >71µm	ASTM D7647 >4	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >20/18/15	<b>▲ 22/20/15</b>	20/18/13	▲ 22/19/15

**FLUID DEGRADATION**

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974 0.04	<b>0.03</b>	0.072	0.028

# OIL ANALYSIS REPORT

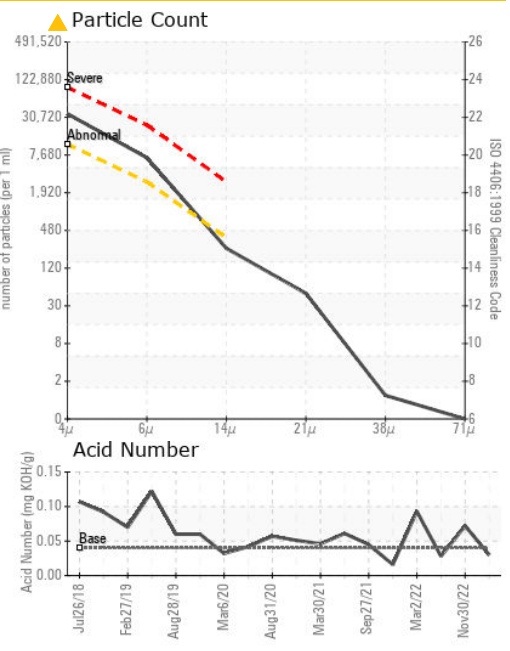
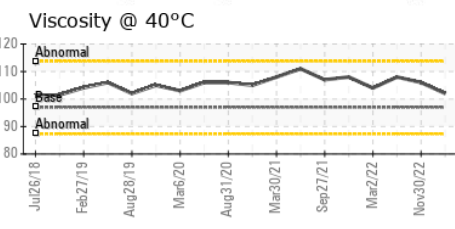
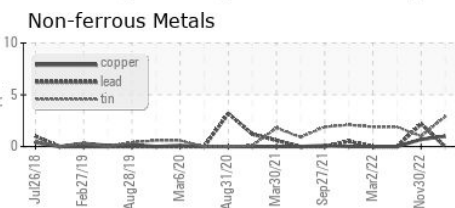
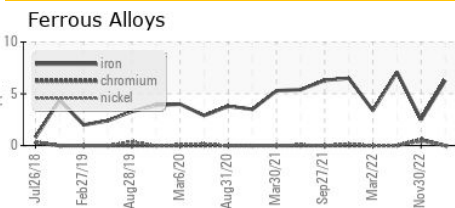


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2.26	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	97	102	106
Visc @ 100°C	cSt	ASTM D445	17.5	17.3	18.35
Viscosity Index (VI)	Scale	ASTM D2270	198	186	185

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO90002251 **Received** : 22 Aug 2023  
**Lab Number** : 05931578 **Diagnosed** : 24 Aug 2023  
**Unique Number** : 10616849 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KV100, PrtCount, VI )

**TARGA RESOURCES - EDWARD**  
 1757 COUNTY ROAD 250  
 MIDKIFF, TX  
 US 79755  
 Contact: BRANDON CERVANTES  
 bcervantes@targaresources.com

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)