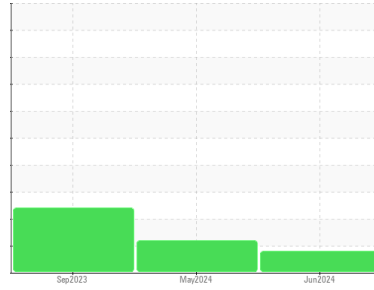


# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**MYCOM 3211571**  
 Component  
**Screw Compressor**  
 Fluid  
**TULCO LUBSOIL LPG WI 100 (150 GAL)**

**DIAGNOSIS**

**Recommendation**  
 No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

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

**Contamination**  
 There is a moderate 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>TO10003574</b>	TO10003576	TO90002455
Sample Date	Client Info			<b>01 Jun 2024</b>	01 May 2024	20 Sep 2023
Machine Age	hrs	Client Info		<b>69566</b>	68922	63442
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>Filtered</b>	Filtered	N/A
Sample Status				<b>ATTENTION</b>	ATTENTION	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>60	<b>0</b>	1	<1
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>5	<b>0</b>	2	0
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>30	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185m		<b>0</b>	4	0
Phosphorus	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	1
Zinc	ppm	ASTM D5185m	0	<b>3</b>	0	0
Sulfur	ppm	ASTM D5185m	0	<b>2023</b>	2675	2409

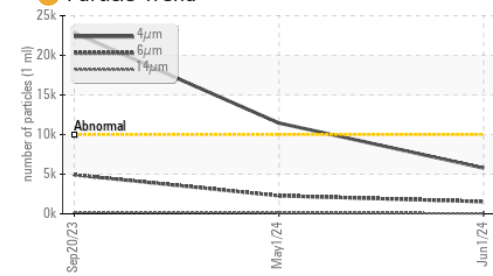
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>7</b>	18	17
Sodium	ppm	ASTM D5185m		<b>0</b>	5	0
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	2
Water	%	ASTM D6304	>2.26	<b>0.338</b>	0.337	0.455
ppm Water	ppm	ASTM D6304	>22600	<b>3384</b>	3379	4558.7

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>5783</b>	11456	22814
Particles >6µm		ASTM D7647	>1300	<b>1543</b>	2282	4912
Particles >14µm		ASTM D7647	>320	<b>47</b>	141	206
Particles >21µm		ASTM D7647	>80	<b>6</b>	37	40
Particles >38µm		ASTM D7647	>20	<b>0</b>	1	1
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<b>20/18/13</b>	21/18/14	22/19/15

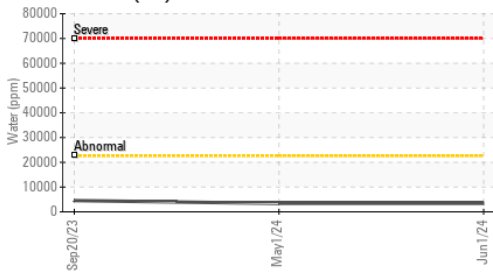
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.31</b>	0.269	1.21

# OIL ANALYSIS REPORT

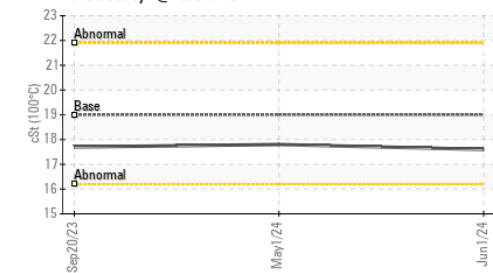
## Particle Trend



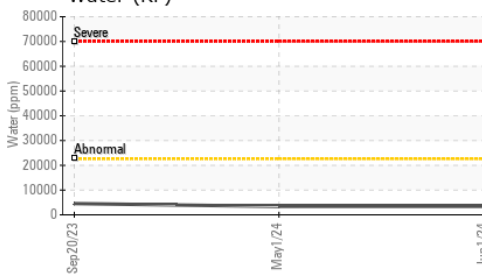
## Water (KF)



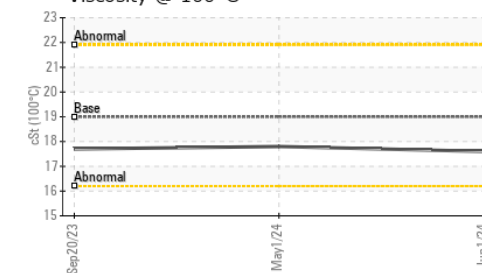
## Viscosity @ 100°C



## Water (KF)



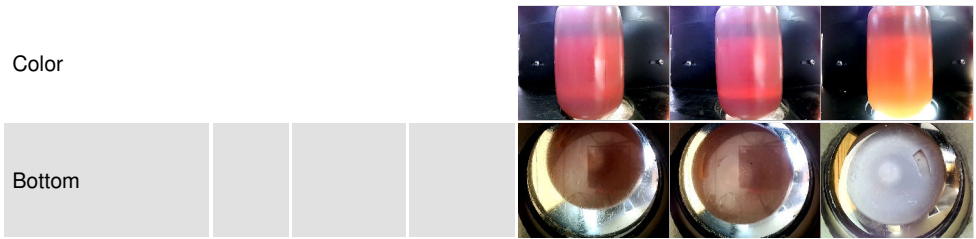
## Viscosity @ 100°C



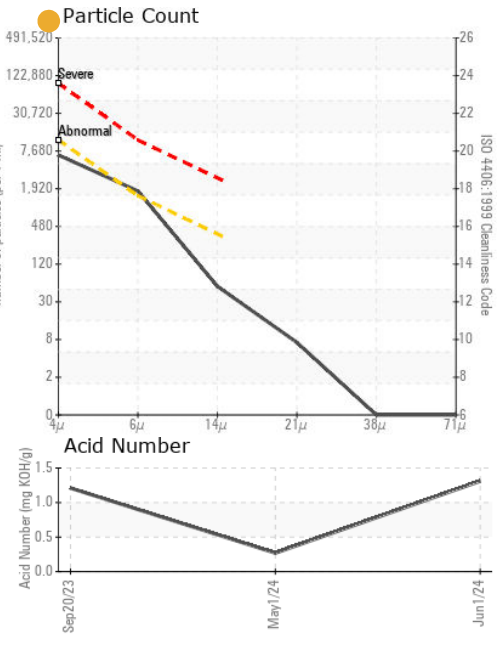
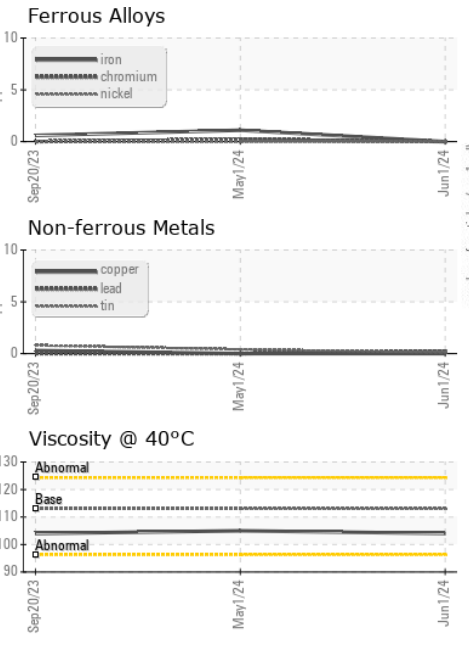
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	113	104	104
Visc @ 100°C	cSt	ASTM D445	19	17.8	17.7
Viscosity Index (VI)	Scale	ASTM D2270	189	187	188

## SAMPLE IMAGES



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO10003574 **Received** : 07 Jun 2024  
**Lab Number** : 06202831 **Tested** : 10 Jun 2024  
**Unique Number** : 11070292 **Diagnosed** : 11 Jun 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**EDINBURG RENEWABLES, LLC**  
 8601 N JASMAN RD  
 EDINBURG, TX  
 US 78542  
 Contact: Service Manager

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)