

PROBLEM SUMMARY

Sample Rating Trend

ISO



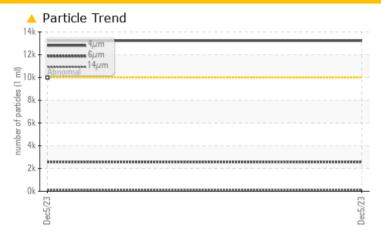
C-1161

Component

Refrigeration Compressor

TULCO LUBSOIL SYN RL WI 100 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS									
Sample Status			ATTENTION						
Particles >4µm	ASTM D7647	>10000	<u> </u>						
Particles >6µm	ASTM D7647	>2500	2574						
Oil Cleanliness	ISO 4406 (c)	>20/18/15	21/19/14						

Customer Id: ETCKEN Sample No.: TO90002474 Lab Number: 06026528 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Machine Id C-1161

Refrigeration Compressor

TULCO LUBSOIL SYN RL WI 100 (--- GAL)

DIAGNOSIS

Recommendation

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

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

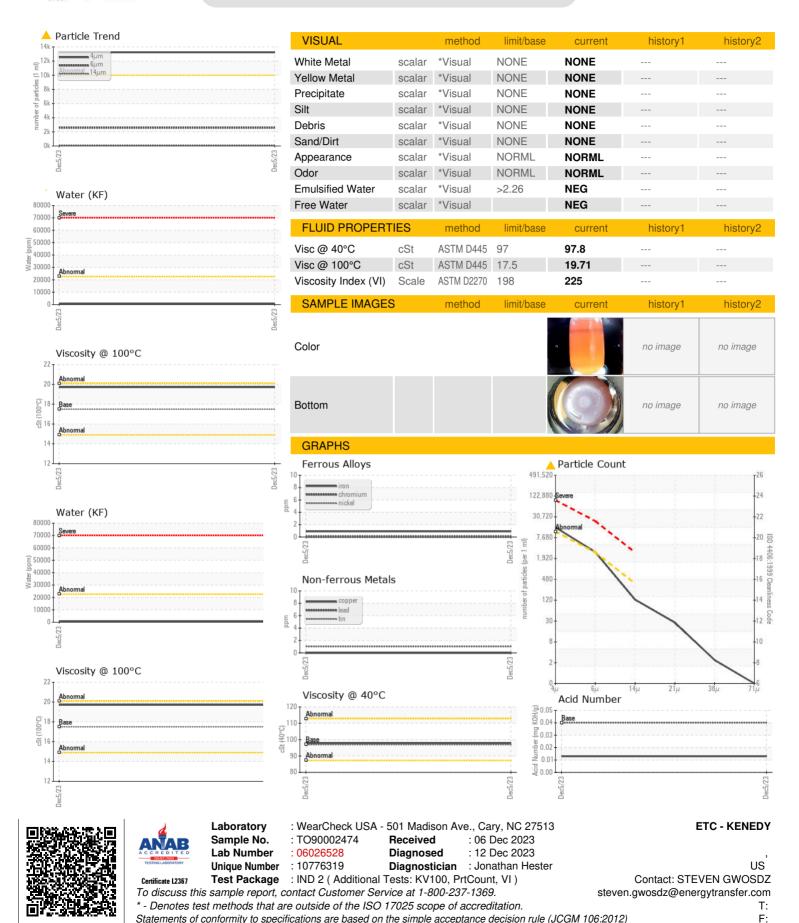
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				Dec2023		
0.44404 5 14450004						
SAMPLE INFORM	TATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90002474		
Sample Date		Client Info		05 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	<1		
Chromium	ppm	ASTM D5185m	>2	0		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>3	<1		
Lead	ppm	ASTM D5185m	>2	0		
Copper	ppm	ASTM D5185m	>8	0		
Tin	ppm	ASTM D5185m	>4	1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
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ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m	1500	1278		
Zinc	ppm	ASTM D5185m		8		
Sulfur	ppm	ASTM D5185m		0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>2.26	0.081		
ppm Water	ppm	ASTM D6304	>22600	811		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	13225		
Particles >6µm		ASTM D7647	>2500	<u>^</u> 2574		
Particles >14μm		ASTM D7647	>320	110		
Particles >21µm		ASTM D7647	>80	24		
Particles >38µm		ASTM D7647	>20	2		
Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	2 1/19/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.04	0.013		
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OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)