

## **PROBLEM SUMMARY**



### ACFM INLET BLOWER Component

Screw Compressor ACFM ISO-VG-150 (55 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	<u> </u>						
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<u> </u>						

Customer Id: TWIAND Sample No.: TO60000908 Lab Number: 05996277 Test Package: IND 2



To discuss the diagnosis or test data: Don Baldridge +1

don.b505@comcast.net To change component or sample information:

Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



## **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

# **ACFM INLET BLOWER**

Component Screw Compressor ACFM ISO-VG-150 (55 GAL)

#### DIAGNOSIS

Machine Id

#### A 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 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 INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60000908		
Sample Date		Client Info		28 Aug 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	>60	0		
Chromium	ppm	ASTM D5185m	>4	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	mag	ASTM D5185m	>5	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>30	0		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
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		<1		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		65		
Zinc	mag	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		54		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	7		
Sodium	ppm	ASTM D5185m	200	2		
Potassium	nom	ASTM D5185m	>20	3		
Water	%	ASTM D6304	>0.1	0.00		
ppm Water	ppm	ASTM D6304	>1000	0.00		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>11539</b>		
Particles >6µm		ASTM D7647	>2500	<u> </u>		
Particles >14µm		ASTM D7647	>320	119		
Particles >21um		ASTM D7647	>80	26		
Particles >38um		ASTM D7647	>20	1		
Particles >71um		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>21/19/14</b>		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.12		



# **OIL ANALYSIS REPORT**



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

history1

history

history1

no image

no image

current

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

curren

current

Particle Count

Acid Number

491.52 122.88

30.72

7 68

480

120

31

(B/HO)

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-P 0.00

(per 1 1.920 NEG

NEG

132

14.2

105

history2

history

history2

no image

no image

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TWIN OAKS RENEWABLES

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