

PROBLEM SUMMARY

Sample Rating Trend

ISO

ACFM INLET BLOWER

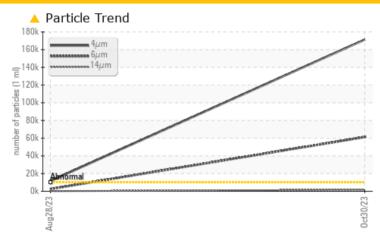
Component

Screw Compressor

ACFM ISO-VG-150 (55 GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL	ATTENTION					
Particles >4µm	ASTM D7647	>10000	171361	<u>▲</u> 11539					
Particles >6µm	ASTM D7647	>2500	▲ 61277	2542					
Particles >14μm	ASTM D7647	>320	1715	119					
Particles >21μm	ASTM D7647	>80	250	26					
Oil Cleanliness	ISO 4406 (c)	>20/18/15	25/23/18	<u>^</u> 21/19/14					

Customer Id: TWIAND Sample No.: TO60000911 Lab Number: 05996275 Test Package: IND 2



To manage this report scan the QR code

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS

28 Aug 2023 Diag: Don Baldridge





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 moderate 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.





OIL ANALYSIS REPORT

Sample Rating Trend



ACFM INLET BLOWER

Screw Compressor

ACFM ISO-VG-150 (55 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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

			Aug2023	Oct2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60000911	TO60000908	
Sample Date		Client Info		30 Oct 2023	28 Aug 2023	
Machine Age	hrs	Client Info		7539	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed	1110	Client Info		N/A	N/A	
Sample Status				ABNORMAL	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>60	<1	0	
Chromium	ppm	ASTM D5185m	>4	0	0	
Nickel	ppm	ASTM D5185m	7 1	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>5	0	0	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m		0	0	
Tin	ppm	ASTM D5185m	>15	0	0	
Vanadium	ppm	ASTM D5185m	>10	<1	<1	
Cadmium		ASTM D5185m		0	0	
	ppm		Proch the same			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		<1	<1	
Calcium	ppm	ASTM D5185m		0	0	
Phosphorus	ppm	ASTM D5185m		66	65	
Zinc	ppm	ASTM D5185m		0	0	
Sulfur	ppm	ASTM D5185m		45	54	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4	7	
Sodium	ppm	ASTM D5185m		<1	2	
Potassium	ppm	ASTM D5185m	>20	3	3	
Water	%	ASTM D6304	>0.1	0.001	0.00	
ppm Water	ppm	ASTM D6304	>1000	7.6	0.00	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	<u> </u>	<u>▲</u> 11539	
Particles >6µm		ASTM D7647	>2500	<u> </u>	<u>^</u> 2542	
Particles >14μm		ASTM D7647	>320	<u> </u>	119	
Particles >21µm		ASTM D7647	>80	<u>^</u> 250	26	
Particles >38µm		ASTM D7647	>20	7	1	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u> 25/23/18</u>	<u>\$\text{\Delta}\$ 21/19/14</u>	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.08	0.12	



OIL ANALYSIS REPORT

