

## **PROBLEM SUMMARY**

## Sample Rating Trend

DIRT



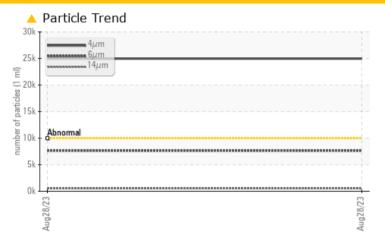
# VILTER 2ND STAGE

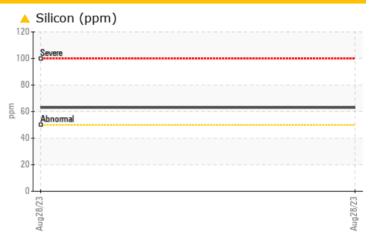
Component

**Screw Compressor** 

VILTER SF PAO 150 (150 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			
Silicon	ppm	ASTM D5185m	>50	<u></u> 63			
Particles >4µm		ASTM D7647	>10000	<b>24968</b>			
Particles >6μm		ASTM D7647	>2500	<b>^</b> 7652			
Particles >14µm		ASTM D7647	>320	<b>508</b>			
Particles >21µm		ASTM D7647	>80	<u> </u>			
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>22/20/16</u>			

Customer Id: TWIAND Sample No.: TO60000907 Lab Number: 05996278 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



## **OIL ANALYSIS REPORT**

# Sample Rating Trend

DIRT



**VILTER 2ND STAGE** 

Component

**Screw Compressor** 

VILTER SF PAO 150 (150 GAL)

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## 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. Elemental level of silicon (Si) above normal .

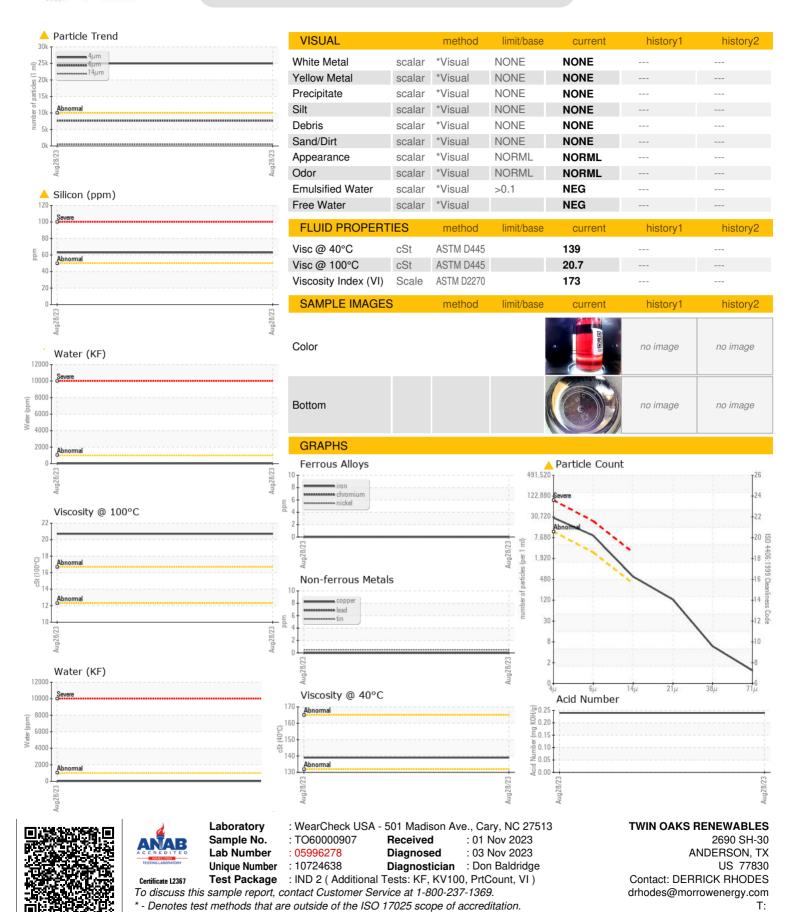
## **Fluid Condition**

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

		L		Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60000907		
Sample Date		Client Info		28 Aug 2023		
Machine Age	hrs	Client Info		17571		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
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	ppm	ASTM D5185m	>5	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>30	0		
Tin	ppm	ASTM D5185m	>15	<1		
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		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		8		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		385		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>△</b> 63		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	4		
Water	%	ASTM D6304	>0.1	0.002		
ppm Water	ppm	ASTM D6304	>1000	21.4		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>4</b> 24968		
Particles >6µm		ASTM D7647	>2500	<b>^</b> 7652		
Particles >14µm		ASTM D7647	>320	<b>▲</b> 508		
Particles >21µm		ASTM D7647	>80	<u> </u>		
Particles >38µm		ASTM D7647	>20	5		
Particles >71µm		ASTM D7647	>4	1		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>22/20/16</u>		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.24		



## **OIL ANALYSIS REPORT**



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

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