

PROBLEM SUMMARY

Sample Rating Trend

ISO



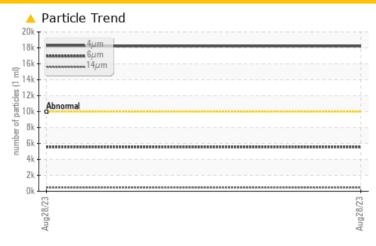
VILTER 1ST STAGE

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					
Particles >4μm	ASTM D7647	>10000	18208					
Particles >6µm	ASTM D7647	>2500	<u>▲</u> 5551					
Particles >14µm	ASTM D7647	>320	463					
Particles >21µm	ASTM D7647	>80	<u> </u>					
Oil Cleanliness	ISO 4406 (c)	>20/18/15	21/20/16					

Customer Id: TWIAND Sample No.: TO60000906 Lab Number: 05996276 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

ISO

VILTER 1ST STAGE

Component

Screw Compressor

VILTER SF PAO 150 (150 GAL)

DIAGNOSIS

Recommendation

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

Wear

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.

				Aug 2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60000906		
Sample Date		Client Info		28 Aug 2023		
Machine Age	hrs	Client Info		17704		
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		>30	0		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m	710	<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	1-1-	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum		ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m		6		
Phosphorus	ppm			_		
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m		0 218		
CONTAMINANTS	ppm	method	limit/base			
				current	history1	history2
Silicon	ppm	ASTM D5185m	>50	36		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m		4		
Water	%	ASTM D6304	>0.1	0.001		
ppm Water	ppm	ASTM D6304	>1000	13.8		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	<u> </u>		
Particles >6µm		ASTM D7647	>2500	<u> 5551</u>		
Particles >14µm		ASTM D7647	>320	463		
Particles >21µm		ASTM D7647	>80	<u> </u>		
Particles >38µm		ASTM D7647	>20	7		
Particles >71µm		ASTM D7647	>4	1		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>^</u> 21/20/16		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A siel Niversland (ANI)	I/OLI/-	ACTM DODAE		0.00		

Acid Number (AN)

mg KOH/g ASTM D8045

0.23



OIL ANALYSIS REPORT

