

PROBLEM SUMMARY

Sample Rating Trend



VILTER 2ND STAGE

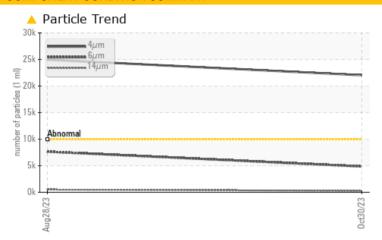
Component

Screw Compressor

VILTER METHANE PAO 100 (150 GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS										
Sample Status			ABNORMAL	ABNORMAL						
Particles >4µm	ASTM D7647	>10000	<u>22042</u>	<u>^</u> 24968						
Particles >6μm	ASTM D7647	>2500	4864	<u> </u>						
Oil Cleanliness	ISO 4406 (c)	>20/18/15	22/19/15	<u>^</u> 22/20/16						

Customer Id: TWIAND Sample No.: TO60000913 Lab Number: 05996273 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

28 Aug 2023 Diag: Don Baldridge

DIRT



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. There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



VILTER 2ND STAGE

Component

Screw Compressor

VILTER METHANE PAO 100 (150 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high 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.

			Aug2023	0 cd 2 023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	W C I I O I V		IIIIIIIIIIIII			•
Sample Number		Client Info		TO60000913	TO60000907	
Sample Date	laua	Client Info		30 Oct 2023	28 Aug 2023	
Machine Age	hrs	Client Info		19066	17571	
Oil Age	hrs	Client Info		0 N/A	0 N/A	
Oil Changed		Client inio		ABNORMAL	ABNORMAL	
Sample Status				ADNORMAL	ADNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>60	0	0	
Chromium	ppm	ASTM D5185m	>4	0	0	
Nickel	ppm	ASTM D5185m		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	>30	0	0	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	
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	0	
Calcium	ppm	ASTM D5185m		0	0	
Phosphorus	ppm	ASTM D5185m		6	8	
Zinc	ppm	ASTM D5185m		0	0	
Sulfur	ppm	ASTM D5185m		451	385	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	33	△ 63	
Sodium	ppm	ASTM D5185m		<1	<1	
Potassium	ppm	ASTM D5185m	>20	4	4	
Water	%	ASTM D6304	>0.1	0.004	0.002	
ppm Water	ppm	ASTM D6304	>1000	40.9	21.4	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	22042	△ 24968	
Particles >6µm		ASTM D7647	>2500	4864	<u>^</u> 7652	
Particles >14µm		ASTM D7647	>320	260	<u></u> 508	
Particles >21µm		ASTM D7647		72	<u>▲</u> 111	
Particles >38µm		ASTM D7647	>20	4	5	
Particles >71µm		ASTM D7647	>4	0	1	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>22/19/15</u>	<u>^</u> 22/20/16	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.68	0.24	



OIL ANALYSIS REPORT

