

PROBLEM SUMMARY

Sample Rating Trend

DIRT

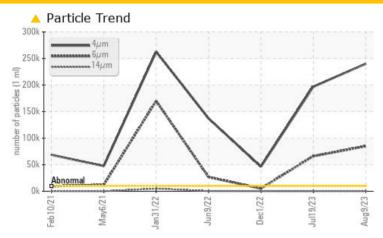


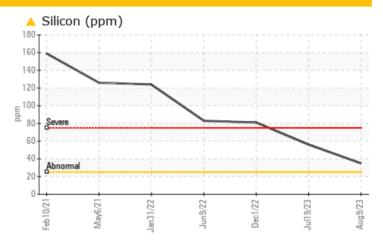


Compressor

VILTER METHANE PAO-100 (--- 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	ABNORMAL				
Silicon	ppm	ASTM D5185m	>25	△ 35	△ 56	<u>▲</u> 81				
Particles >4µm		ASTM D7647	>10000	240061	<u> </u>	△ 46325				
Particles >6µm		ASTM D7647	>1300	A 85004	<u>▲</u> 66068	<u></u> 5190				
Oil Cleanliness		ISO 4406 (c)	>20/17/15	25/24/14	25/23/12	23/20/14				

Customer Id: MELMELTX Sample No.: TO60001319 Lab Number: 05924356 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

19 Jul 2023 Diag: Don Baldridge

DIRT



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. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



01 Dec 2022 Diag: Angela Borella

DIRT



The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



09 Jun 2022 Diag: Jonathan Hester

DIRT



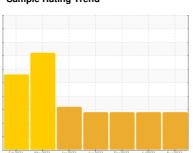
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. 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 C

Component

Compressor

VILTER METHANE PAO-100 (--- 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. Elemental level of silicon (Si) above normal indicating ingress of seal material.

Fluid Condition

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

		Feb2021	May2021 Jan2022	Jun2022 Dec2022 Jul2023	Aug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60001319	TO60000429	TO50000124
Sample Date		Client Info		09 Aug 2023	19 Jul 2023	01 Dec 2022
Machine Age	wks	Client Info		0	0	0
Oil Age	wks	Client Info		0	0	0
Oil Changed		Client Info		Filtered	Filtered	Filtered
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	0
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		5	0	1
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		3	0	33
Zinc	ppm	ASTM D5185m		0	0	4
Sulfur	ppm	ASTM D5185m		4366	6225	6017
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	△ 35	△ 56	<u> </u>
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.1	0.011	0.024	0.007
ppm Water	ppm	ASTM D6304	>1000	117.6	249.7	74.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	240061	<u></u> 196951	△ 46325
Particles >6µm		ASTM D7647	>1300	A 85004	△ 66068	<u></u> 5190
Particles >14µm		ASTM D7647	>320	107	35	100
Particles >21µm		ASTM D7647	>80	12	3	21
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	25/24/14	<u>△</u> 25/23/12	<u>△</u> 23/20/14
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.44	0.192	0.87



OIL ANALYSIS REPORT

