

PROBLEM SUMMARY

Sample Rating Trend

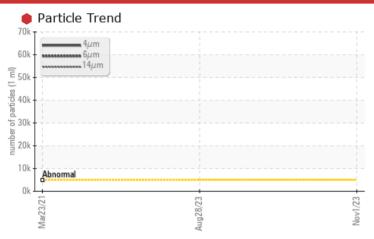
ISO

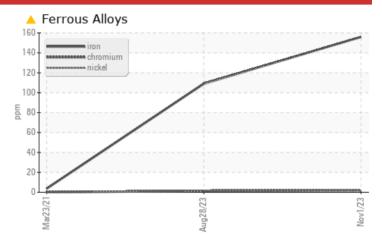
TM 7 Machine Id TM 7 VACUUM PUMP

Component **Pump** Fluid

ISO 220 (--- GAL)







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				SEVERE	ABNORMAL	NORMAL		
Iron	ppm	ASTM D5185m	>90	156	1 09	4		
Particles >4µm		ASTM D7647	>5000	61741				
Particles >6µm		ASTM D7647	>1300	2557				
Oil Cleanliness		ISO 4406 (c)	>19/17/14	23/19/14				

Customer Id: KIMMOBTM7 Sample No.: RP0034390 Lab Number: 05997375 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: Doug Bogart

WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



23 Mar 2021 Diag: Doug Bogart

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT



TM 7 TM 7 VACUUM PUMP Component

Pump

ISO 220 (--- GAL)

DIAGNOSIS

Recommendation

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

The iron level is abnormal. All other 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.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0034390	RP0034360	RP202927
Sample Date		Client Info		01 Nov 2023	28 Aug 2023	23 Mar 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		107		

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		107		
Iron	ppm	ASTM D5185m	>90	156	<u></u> 109	4
Chromium	ppm	ASTM D5185m	>5	2	2	0
Nickel	ppm	ASTM D5185m	>5	2	1	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	<1	<1	0
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	1	0	<1
Tin	ppm	ASTM D5185m	>9	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0

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Boron	ppm	ASTM D5185m	26	17	4
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	<1	0	<1
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	<1	<1	2
Calcium	ppm	ASTM D5185m	12	8	16
Phosphorus	ppm	ASTM D5185m	370	324	275
Zinc	ppm	ASTM D5185m	197	169	383

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	36	19	11
Sodium	ppm	ASTM D5185m		0	1	<1
Potassium	ppm	ASTM D5185m	>20	3	2	1
Water	%	ASTM D6304	>.1	0.012	0.013	0.014
ppm Water	ppm	ASTM D6304	>1000	128.1	137.5	142.8

FF					
FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	61741		
Particles >6µm	ASTM D7647	>1300	2557		
Particles >14μm	ASTM D7647	>160	89		
Particles >21µm	ASTM D7647	>40	38		
Particles >38μm	ASTM D7647	>10	2		
Particles >71µm	ASTM D7647	>3	0		
Oil Cleanliness	ISO 4406 (c)	>19/17/14	23/19/14		

FLUID DEGRADATION Acid Number (AN) mg KOH/g ASTM D8045 1.73 0.496

Report Id: KIMMOBTM7 [WUSCAR] 05997375 (Generated: 11/08/2023 04:53:18) Rev: 2

Contact/Location: BRAD SNOW - KIMMOBTM7



OIL ANALYSIS REPORT

