

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Co-Gen - Utilities

40-2310 - MILL AC 4

Component Air Compressor Fluid

{not provided} (--- GAL)

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Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

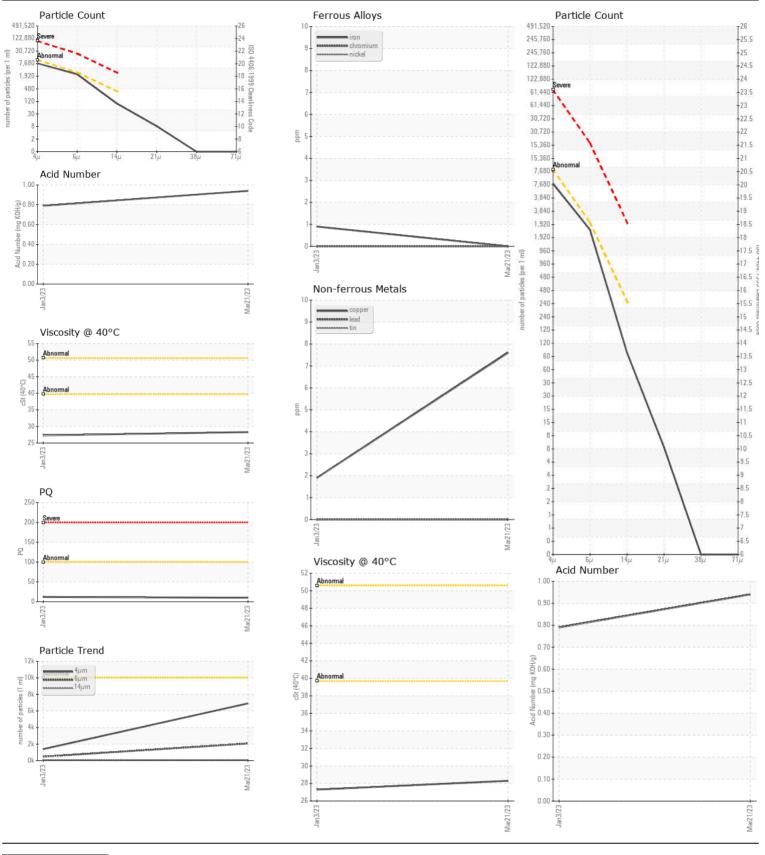
CONTAMINATION

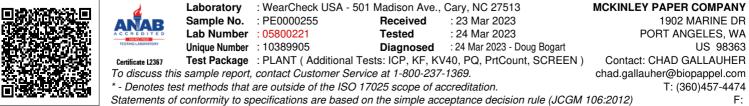
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2				
Sample Number		Client Info		PE0000255	PE0000268					
Sample Date		Client Info		21 Mar 2023	03 Jan 2023					
Machine Age	hrs	Client Info		0	0					
Oil Age	hrs	Client Info		0	1436					
Filter Age	hrs	Client Info		0	0					
Oil Changed		Client Info		N/A	N/A					
Filter Changed		Client Info		N/A	N/A					
Sample Status				NORMAL	NORMAL					
PQ		ASTM D8184		10	12					
Iron	ppm	ASTM D5185m	>50	0	<1					
Chromium	ppm	ASTM D5185m	>4	0	0					
Nickel	ppm	ASTM D5185m	>4	0	0					
Titanium	ppm	ASTM D5185m		0	0					
Silver	ppm	ASTM D5185m		0	0					
Aluminum	ppm	ASTM D5185m	>10	<1	<1					
Lead	ppm	ASTM D5185m	>20	0	0					
Copper	ppm	ASTM D5185m	>40	8	2					
Tin	ppm	ASTM D5185m	>5	0	0					
Vanadium	ppm	ASTM D5185m		0	0					
White Metal	scalar	*Visual	NONE	NONE	NONE					
Yellow Metal	scalar	*Visual	NONE	NONE	NONE					
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Silicon	ppm	ASTM D5185m	>25	1	<1					
Potassium	ppm	ASTM D5185m	>20	0	0					
Water	%	ASTM D6304	>0.6	NEG	NEG					
Particles >4µm		ASTM D7647	>10000	6910	1387					
Particles >6µm		ASTM D7647	>2500	2064	480					
Particles >14µm		ASTM D7647	>320	83	80					
Particles >21µm		ASTM D7647	>80	7	29					
Particles >38µm		ASTM D7647	>20	0	2					
Particles >71µm		ASTM D7647	>4	0	0					
Oil Cleanliness	a a a la v	ISO 4406 (c)	>20/18/15	20/18/14	18/16/13					
Silt	scalar	*Visual	NONE	NONE	NONE					
Debris	scalar	*Visual	NONE	NONE	NONE					
Sand/Dirt	scalar	*Visual *Visual	NONE	NONE NORML	NONE					
Appearance Odor	scalar scalar	*Visual	NORML	NORML	NORML					
				-						
Emulsified Water scalar *Visual >0.6 NEG NEG										
Sodium	ppm	ASTM D5185m		12	33					
Boron	ppm	ASTM D5185m		28	0					
Barium	ppm	ASTM D5185m		0	0					
Molybdenum	ppm	ASTM D5185m		0	<1					
Manganese	ppm	ASTM D5185m		0	0					
Magnesium	ppm	ASTM D5185m		0	1					
Calcium	ppm	ASTM D5185m		88	99					
Phosphorus	ppm	ASTM D5185m		205	235					
Zinc	ppm	ASTM D5185m		8	21					
Sulfur	ppm	ASTM D5185m		707	459					
Acid Number (AN)	mg KOH/g	ASTM D8045		0.94	0.79					
Visc @ 40°C	cSt	ASTM D445		28.3	27.3					





Submitted By: CHAD GALLAUHER

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