WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

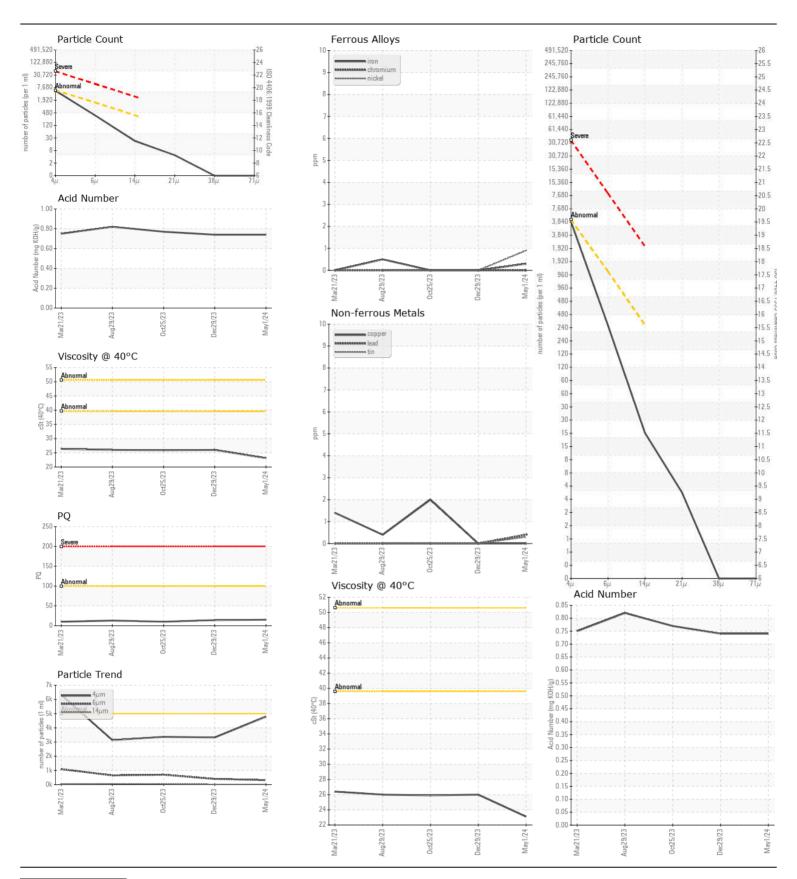
Co-Gen - Utilities

40-2010 - MILL AC 2

Air Compressor

NOT GIVEN (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		PE0002222	PE0001467	PE000142
	Sample Date		Client Info		01 May 2024	29 Dec 2023	25 Oct 202
	Machine Age	hrs	Client Info		0	0	0
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMA
WEAR All component wear rates are normal.	PQ		ASTM D8184		15	14	10
	Iron	ppm	ASTM D5185m	>50	<1	0	0
	Chromium	ppm	ASTM D5185m	>4	0	0	0
	Nickel	ppm	ASTM D5185m	>4	<1	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m	>10	<1	0	0
	Lead	ppm	ASTM D5185m		<1	0	0
	Copper	ppm	ASTM D5185m		0	0	2
	Tin	ppm	ASTM D5185m		<1	0	0
	Vanadium	ppm	ASTM D5185m	70	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONI
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NON
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	1	0	<1
	Potassium	ppm	ASTM D5185m		4	<1	3
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.	Water	ррпп	WC Method		NEG	NEG	NEG
	Particles >4µm		ASTM D7647		4782	3322	3367
	Particles >6µm		ASTM D7647		316	404	701
	Particles >14µm		ASTM D7647		19	17	46
	Particles >21µm		ASTM D7647		4	5	11
	Particles >38µm		ASTM D7647		0	1	1
	Particles >71µm		ASTM D7647		0	0	0
	Oil Cleanliness		ISO 4406 (c)		19/15/11	19/16/11	19/17/
	Silt	scalar	*Visual	NONE	NONE	NONE	NONI
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORN
	Odor	scalar	*Visual	NORML	NORML	NORML	NOR
	Emulsified Water		*Visual	>0.6	NEG	NEG	NEG
	Liliuisilieu vvalei	Scalai	Visuai	>0.0	INEG	NLG	INLG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		12	18	26
	Boron	ppm	ASTM D5185m		0	0	<1
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		<1	0	0
	Manganese	ppm	ASTM D5185m		<1	0	0
	Magnesium	ppm	ASTM D5185m		5	0	<1
	Calcium	ppm	ASTM D5185m		197	111	106
	Phosphorus	ppm	ASTM D5185m		249	219	211
	Zinc	ppm	ASTM D5185m		43	14	40
	Sulfur	ppm	ASTM D5185m		831	345	482
		mg KOH/g	ASTM D8045		0.74	0.74	0.77
	Acid Number (AN)	IIIU KUII/II	AO HVI DOUAN		U./4	0.74	





Certificate L2367

Laboratory Sample No. Unique Number : 11049503

: PE0002222 Lab Number : 06192751

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received **Tested** Diagnosed

: 30 May 2024 : 30 May 2024 - Don Baldridge Test Package : CONST (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)

: 28 May 2024

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)