



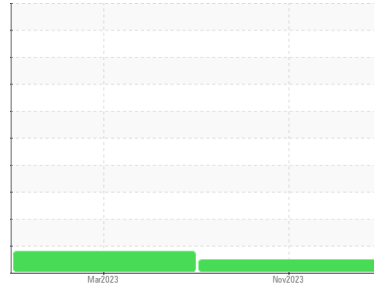
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Co-Gen - Utilities
 Machine Id
27-2310 - MILL AC C
 Component
Air Compressor
 Fluid
TES SYN 295 (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PE0001449	PE0000256	---
Sample Date	Client Info		14 Nov 2023	21 Mar 2023	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			NORMAL	ATTENTION	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.6	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		11	13	---
Iron	ppm	ASTM D5185m >50	3	2	---
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	21	2	---
Tin	ppm	ASTM D5185m >5	<1	0	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 85	0	0	---
Barium	ppm	ASTM D5185m 0	0	0	---
Molybdenum	ppm	ASTM D5185m 0	0	0	---
Manganese	ppm	ASTM D5185m 0	<1	0	---
Magnesium	ppm	ASTM D5185m 1	0	0	---
Calcium	ppm	ASTM D5185m 100	105	81	---
Phosphorus	ppm	ASTM D5185m 200	217	206	---
Zinc	ppm	ASTM D5185m 0	20	68	---
Sulfur	ppm	ASTM D5185m 1500	253	472	---

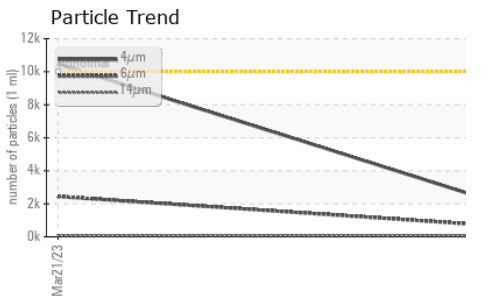
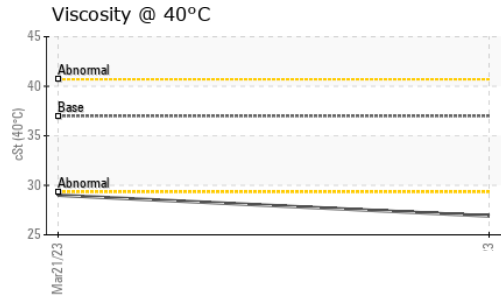
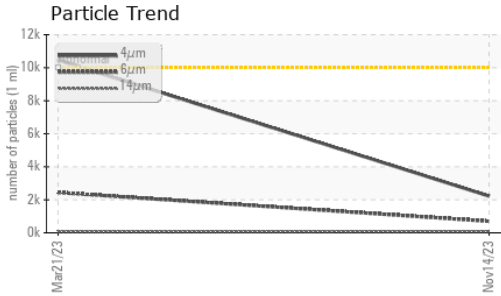
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	2	1	---
Sodium	ppm	ASTM D5185m	34	28	---
Potassium	ppm	ASTM D5185m >20	4	0	---

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	2224	▲ 10468	---
Particles >6µm	ASTM D7647	>2500	700	2439	---
Particles >14µm	ASTM D7647	>320	78	67	---
Particles >21µm	ASTM D7647	>80	21	8	---
Particles >38µm	ASTM D7647	>20	2	0	---
Particles >71µm	ASTM D7647	>4	1	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	18/17/13	▲ 21/18/13	---

OIL ANALYSIS REPORT

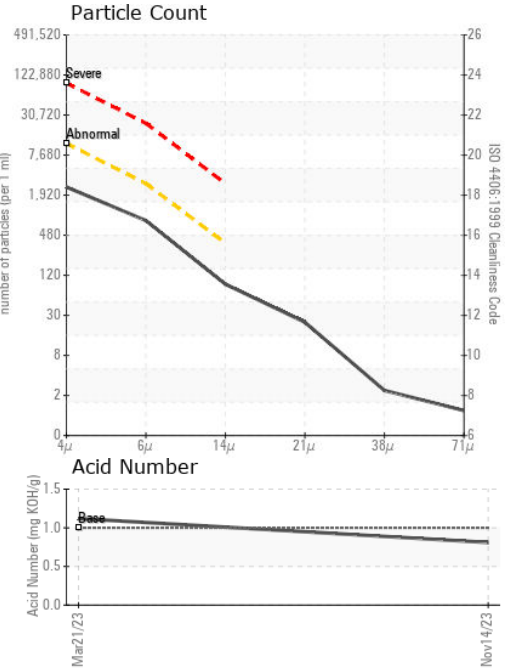
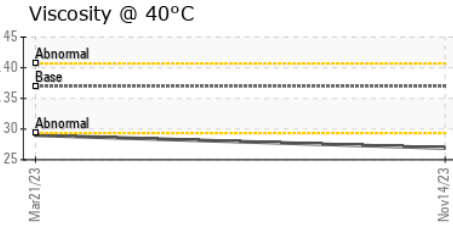
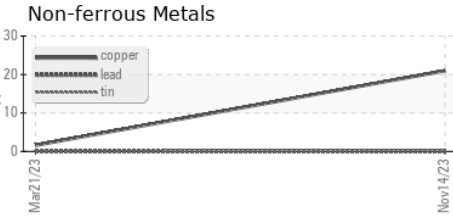
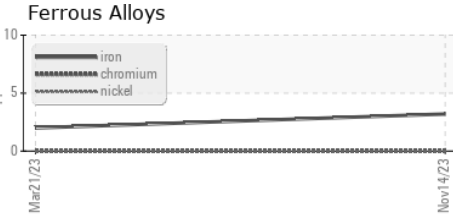


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.81	1.12	---
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.6	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	37.0	26.9	29.0	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
Bottom						no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0001449 **Received** : 20 Nov 2023
Lab Number : **06012262** **Diagnosed** : 22 Nov 2023
Unique Number : 10751406 **Diagnostician** : Don Baldrige
Test Package : PLANT (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)
 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.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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