



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Co-Gen - Utilities
 Machine Id
KAMENGO FEEDER/CO GEN HPU
 Component
Bottom Hydraulic System
 Fluid
FIRE-RESISTANT FLUID ISO 46 (450 LTR)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0001533	---	---
Sample Date		Client Info		06 Feb 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		20	---	---
Iron	ppm	ASTM D5185m	>40	21	---	---
Chromium	ppm	ASTM D5185m	>4	<1	---	---
Nickel	ppm	ASTM D5185m	>20	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>4	0	---	---
Lead	ppm	ASTM D5185m	>10	0	---	---
Copper	ppm	ASTM D5185m	>60	4	---	---
Tin	ppm	ASTM D5185m	>4	282	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

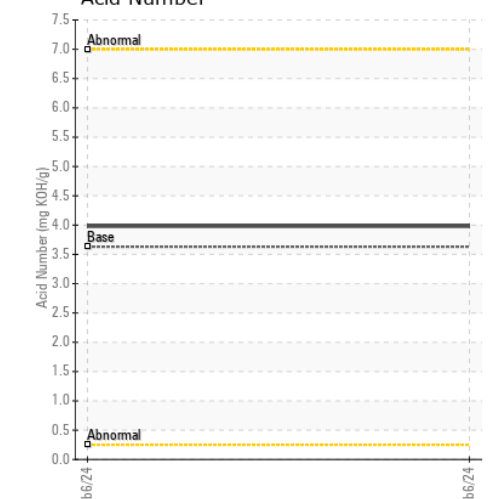
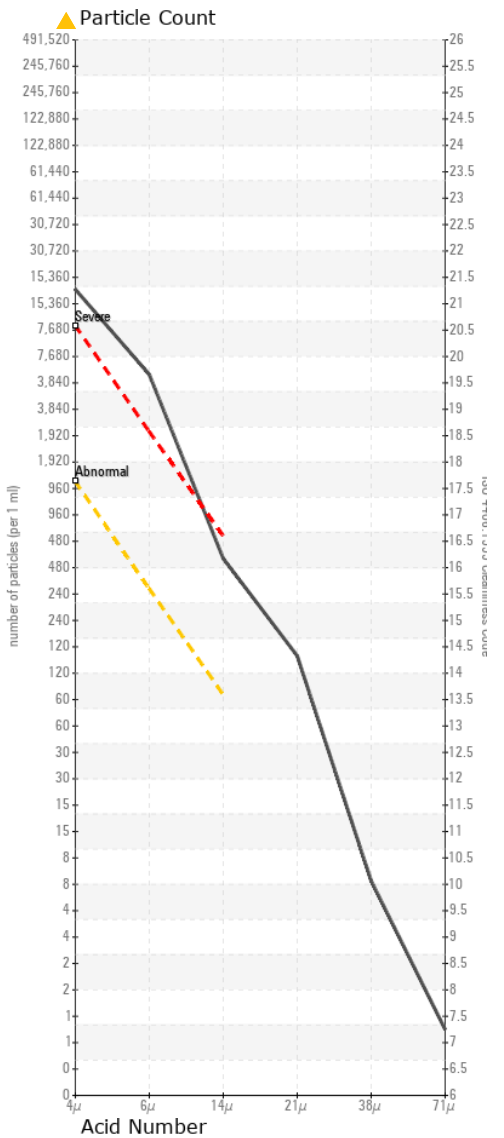
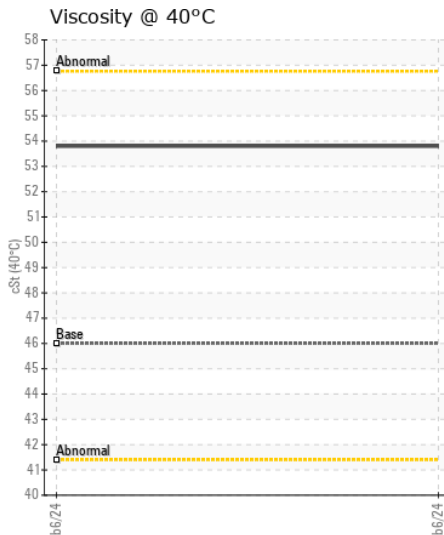
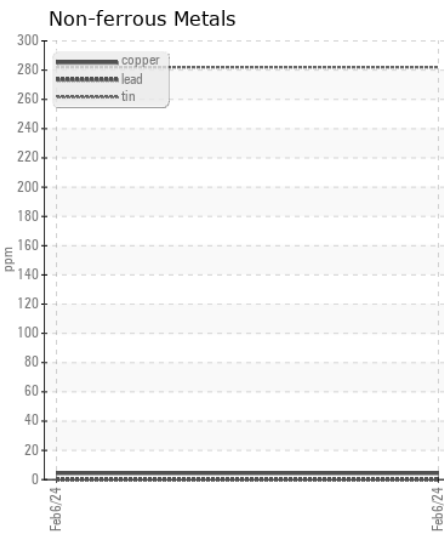
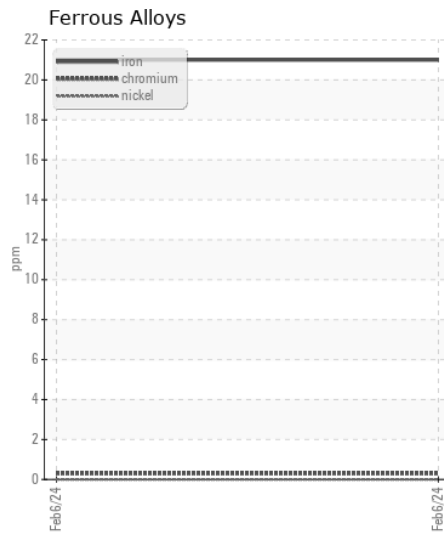
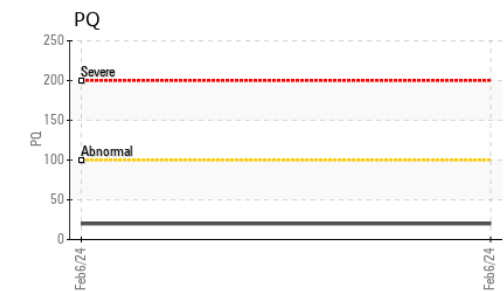
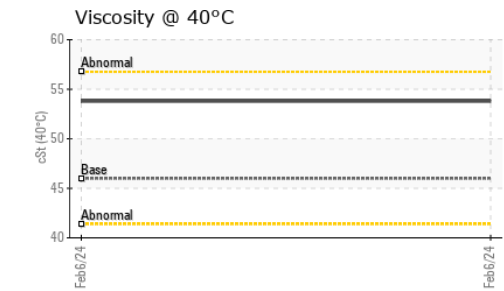
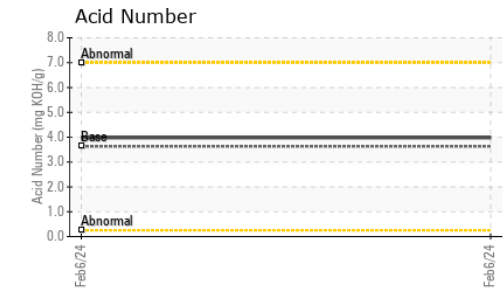
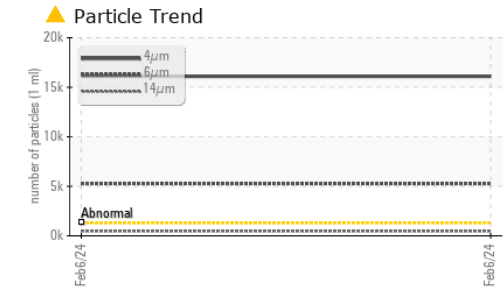
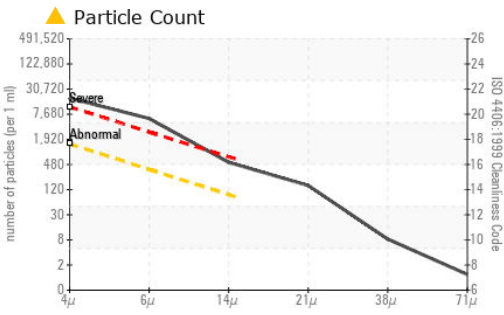
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	2	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water		WC Method	>55	NEG	---	---
Particles >4µm		ASTM D7647	>1300	▲ 16092	---	---
Particles >6µm		ASTM D7647	>320	▲ 5283	---	---
Particles >14µm		ASTM D7647	>80	▲ 475	---	---
Particles >21µm		ASTM D7647	>20	▲ 133	---	---
Particles >38µm		ASTM D7647	>4	▲ 7	---	---
Particles >71µm		ASTM D7647	>3	1	---	---
Oil Cleanliness		ISO 4406 (c)	>17/15/13	▲ 21/20/16	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>55	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	---	---
Boron	ppm	ASTM D5185m	5	5	---	---
Barium	ppm	ASTM D5185m	5	0	---	---
Molybdenum	ppm	ASTM D5185m	5	0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m	5	0	---	---
Calcium	ppm	ASTM D5185m	50	3	---	---
Phosphorus	ppm	ASTM D5185m	175	108	---	---
Zinc	ppm	ASTM D5185m	62	60	---	---
Sulfur	ppm	ASTM D5185m	500	630	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	3.63	3.98	---	---
Visc @ 40°C	cSt	ASTM D445	46	53.8	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0001533 **Received** : 09 Feb 2024
Lab Number : 06085351 **Tested** : 12 Feb 2024
Unique Number : 10872796 **Diagnosed** : 12 Feb 2024 - Doug Bogart
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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