



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
5745043 (S/N 2311)
 Component
Compressor
 Fluid
{not provided} (--- GAL)

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		KCPA003248	KCP45397	---
Sample Date		Client Info		31 Aug 2023	09 May 2022	---
Machine Age	hrs	Client Info		3830	3520	---
Oil Age	hrs	Client Info		0	3520	---
Filter Age	hrs	Client Info		0	3520	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				ABNORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	2	<1	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m	>3	<1	0	---
Titanium	ppm	ASTM D5185m	>3	0	0	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>10	<1	<1	---
Lead	ppm	ASTM D5185m	>10	<1	0	---
Copper	ppm	ASTM D5185m	>50	2	1	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

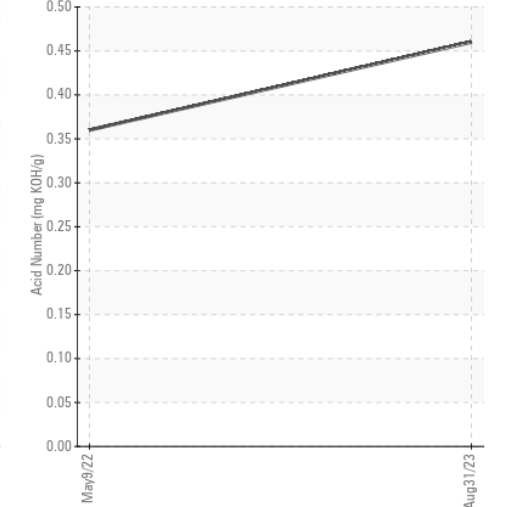
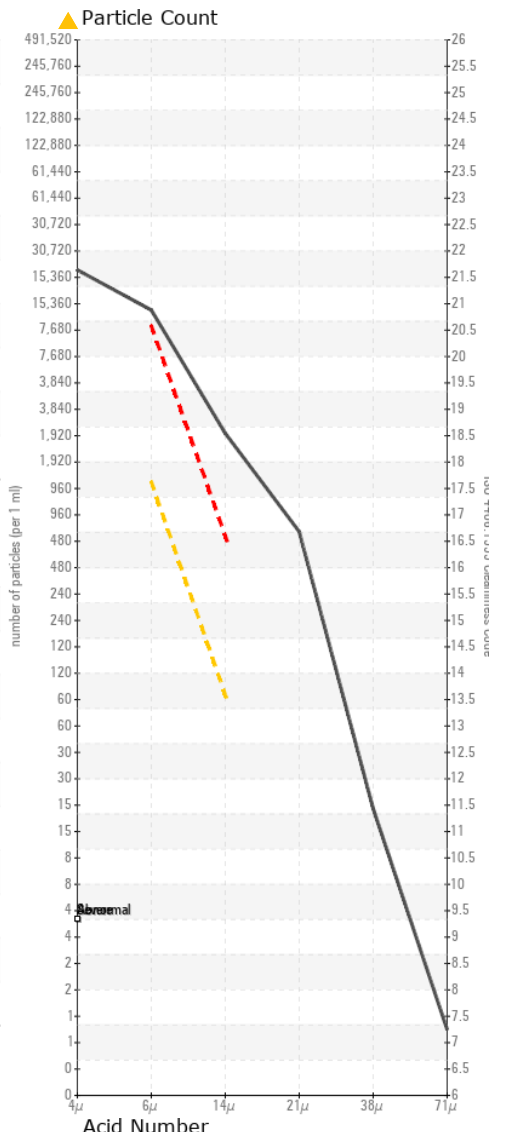
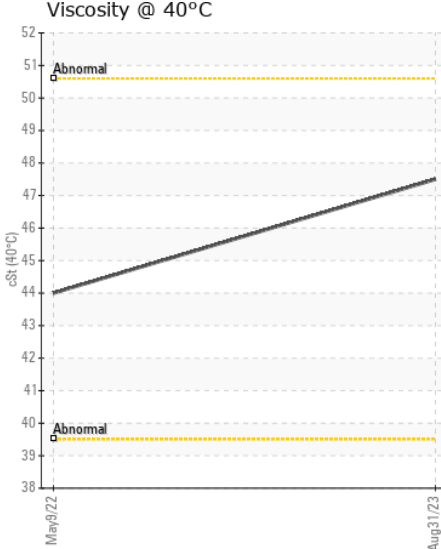
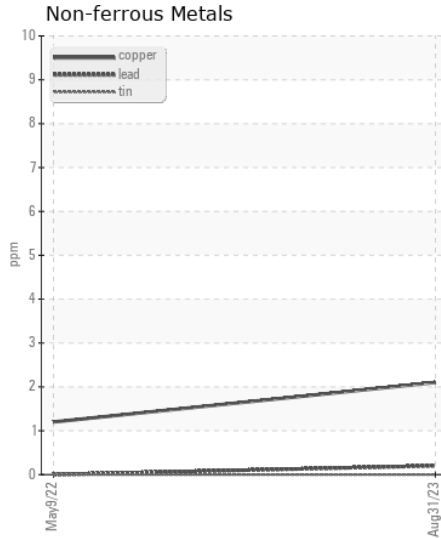
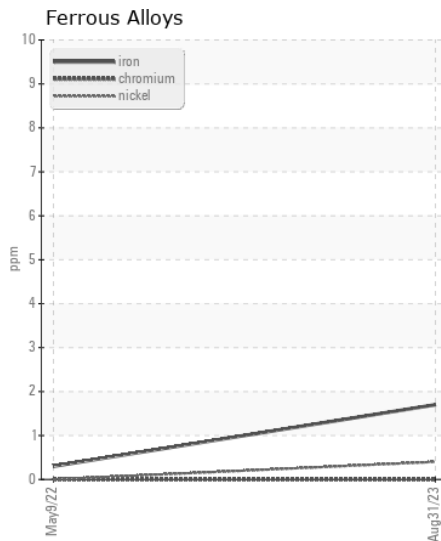
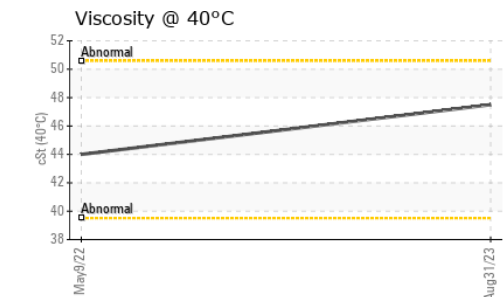
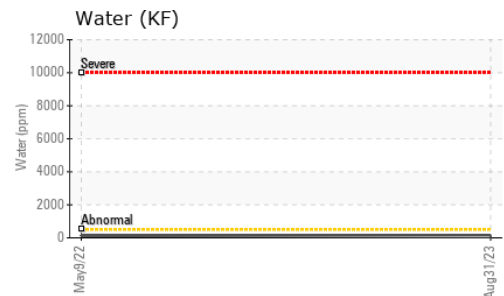
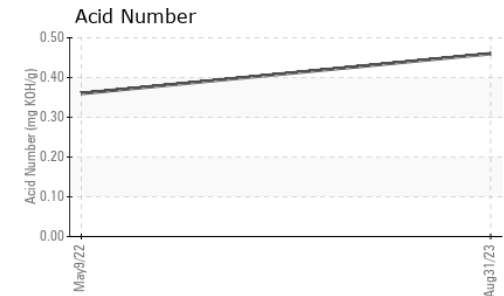
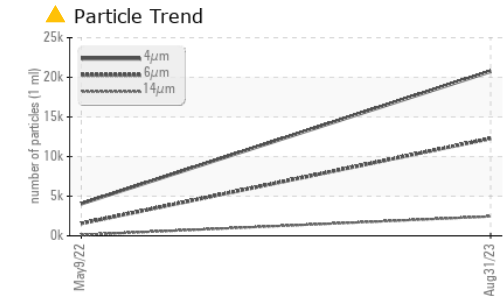
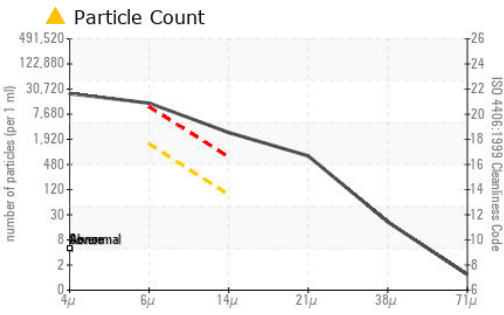
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>25	1	0	---
Potassium	ppm	ASTM D5185m	>20	2	0	---
Water	%	ASTM D6304	>0.05	0.009	0.014	---
ppm Water	ppm	ASTM D6304	>500	100	146.1	---
Particles >4µm		ASTM D7647		20747	4047	---
Particles >6µm		ASTM D7647	>1300	▲ 12280	● 1557	---
Particles >14µm		ASTM D7647	>80	▲ 2447	● 118	---
Particles >21µm		ASTM D7647	>20	▲ 675	● 26	---
Particles >38µm		ASTM D7647	>4	▲ 18	2	---
Particles >71µm		ASTM D7647	>3	1	0	---
Oil Cleanliness		ISO 4406 (c)	>-/17/13	▲ 22/21/18	● 19/18/14	---
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	>0.05	NEG	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		14	12	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		22	<1	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		84	61	---
Calcium	ppm	ASTM D5185m		3	0	---
Phosphorus	ppm	ASTM D5185m		0	<1	---
Zinc	ppm	ASTM D5185m		0	2	---
Sulfur	ppm	ASTM D5185m		18792	17300	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.46	0.36	---
Visc @ 40°C	cSt	ASTM D445		47.5	44.0	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA003248 **Received** : 28 Feb 2024
Lab Number : 06102958 **Tested** : 29 Feb 2024
Unique Number : 10901188 **Diagnosed** : 29 Feb 2024 - Doug Bogart
Test Package : IND 2 (Additional Tests: KF, PrtCount)

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 T:
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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)