



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
BELL B30E B93A631EL03410914
Component
Transmission
Fluid
DEXRON III (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		BE0024628	---	---
Sample Date		Client Info		30 Jan 2024	---	---
Machine Age	hrs	Client Info		81	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		15	---	---
Iron	ppm	ASTM D5185m	>200	42	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>50	5	---	---
Lead	ppm	ASTM D5185m	>50	<1	---	---
Copper	ppm	ASTM D5185m	>200	2	---	---
Tin	ppm	ASTM D5185m	>10	1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

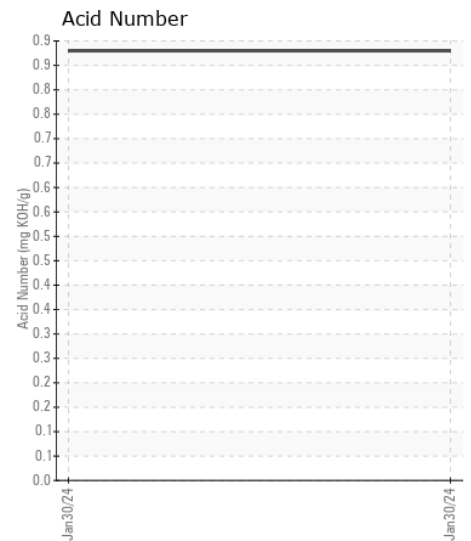
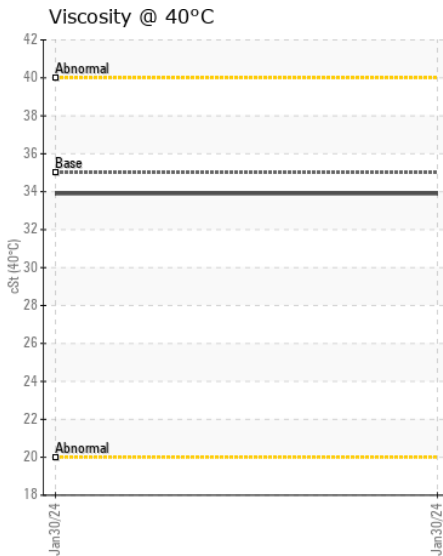
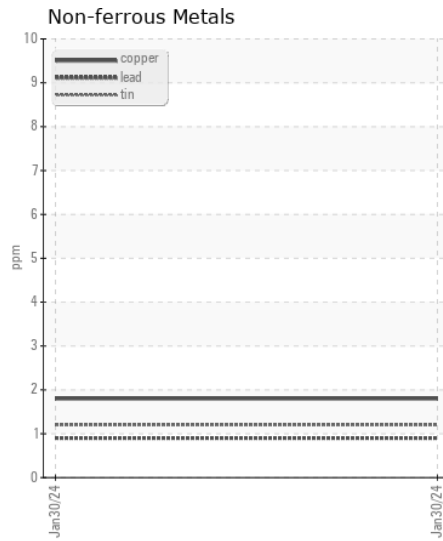
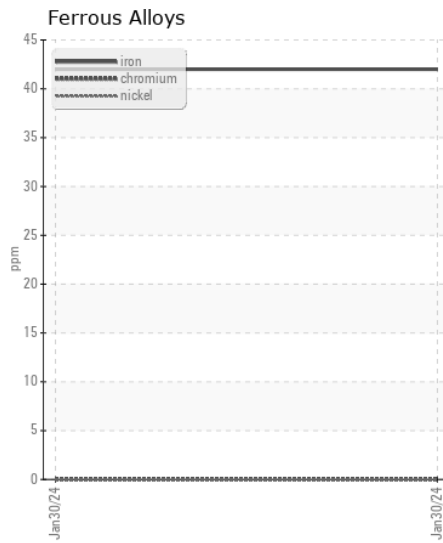
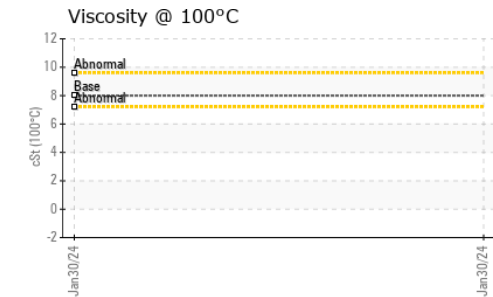
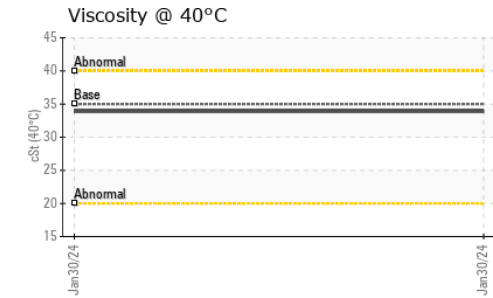
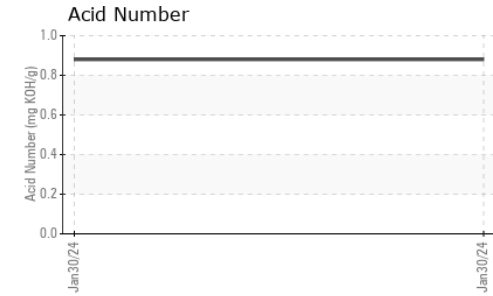
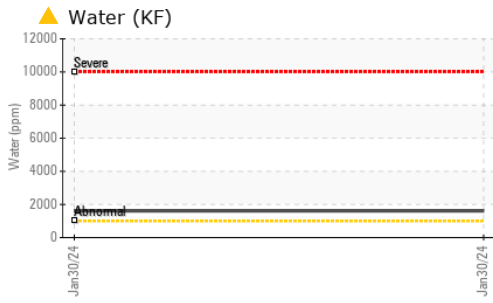
There is a light concentration of water present in the fluid. High concentration of visible dirt/debris present in the fluid.

Silicon	ppm	ASTM D5185m	>50	8	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Water	%	ASTM D6304	>0.1	▲ 0.161	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 1610	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	▲ HEAVY	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	---	---
Boron	ppm	ASTM D5185m		26	---	---
Barium	ppm	ASTM D5185m		<1	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		7	---	---
Calcium	ppm	ASTM D5185m		114	---	---
Phosphorus	ppm	ASTM D5185m		188	---	---
Zinc	ppm	ASTM D5185m		29	---	---
Sulfur	ppm	ASTM D5185m		1738	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.88	---	---
Visc @ 40°C	cSt	ASTM D445	35.0	33.9	---	---



Certificate L2367

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

Sample No. : BE0024628

Lab Number : 06083527

Unique Number : 10870972

Test Package : MOBCE (Additional Tests: KF)

Received : 08 Feb 2024

Tested : 12 Feb 2024

Diagnosed : 12 Feb 2024 - Jonathan Hester

National Equipment Dealers LLC NE

215 Woodside Drive

Lexington, NC

US 27292

Contact: Steven Gawthrop

sgawthrop@nedea.com

T:

F:

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)