



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
BELL B25E B93A625EC03009895
 Component
Transmission
 Fluid
TES SYN 295 (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		BE0002203	---	---
Sample Date		Client Info		01 Jul 2024	---	---
Machine Age	hrs	Client Info		2012	---	---
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		28	---	---
Iron	ppm	ASTM D5185m	>200	67	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>50	10	---	---
Lead	ppm	ASTM D5185m	>50	4	---	---
Copper	ppm	ASTM D5185m	>200	5	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

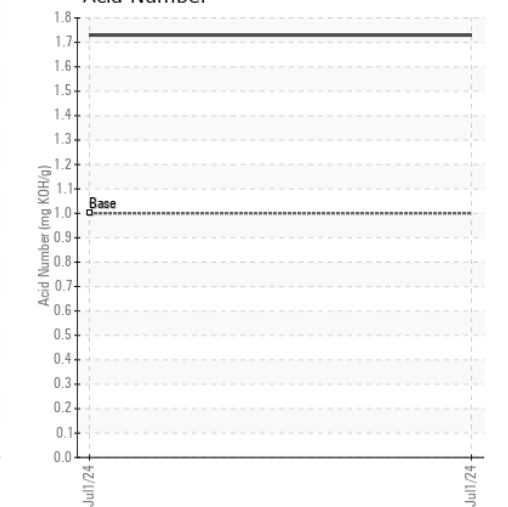
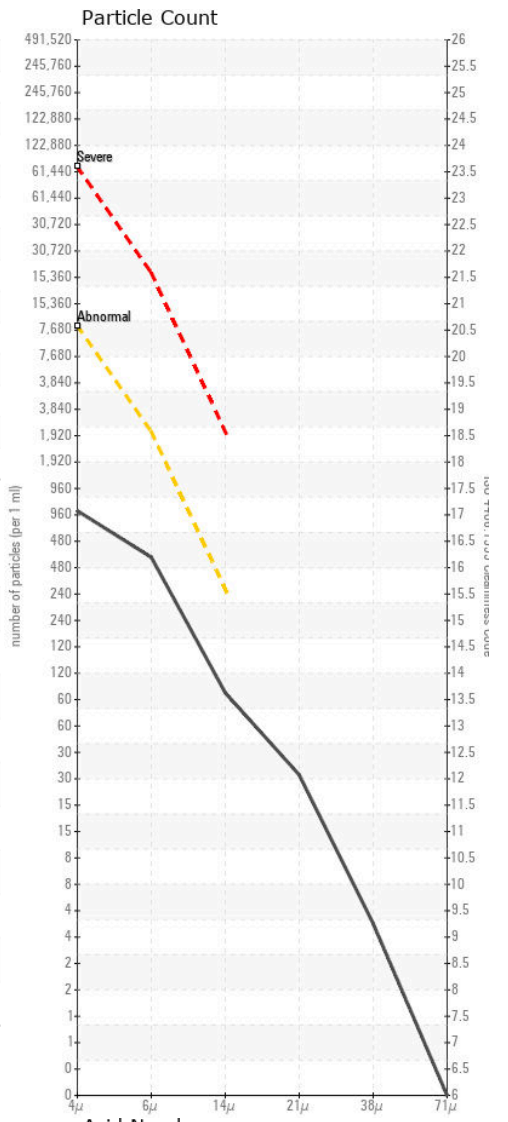
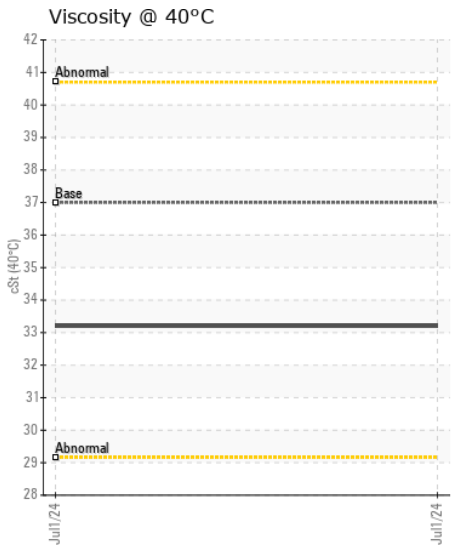
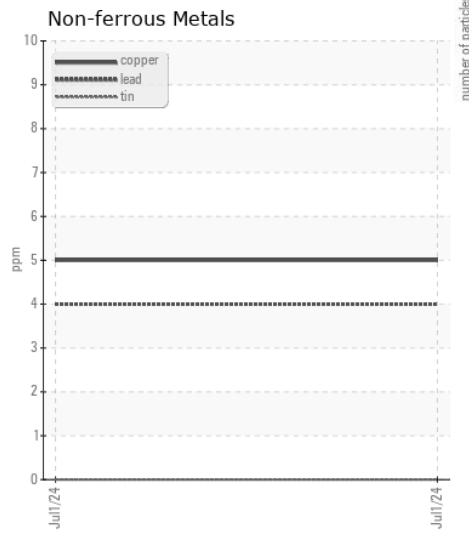
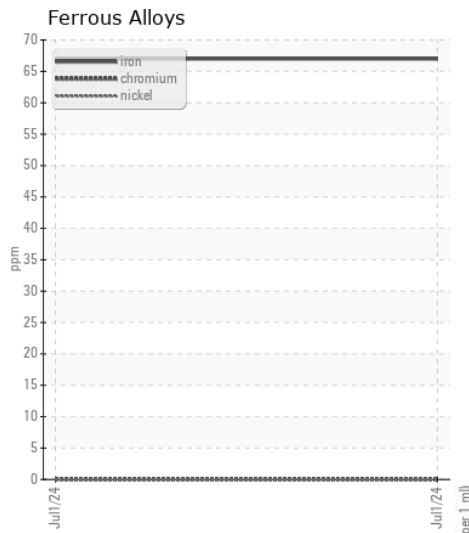
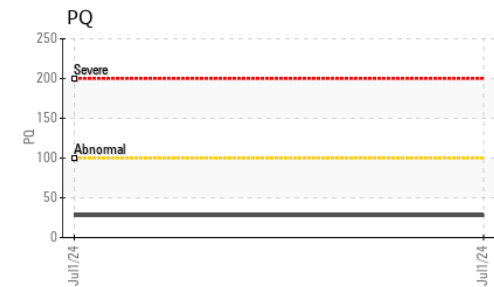
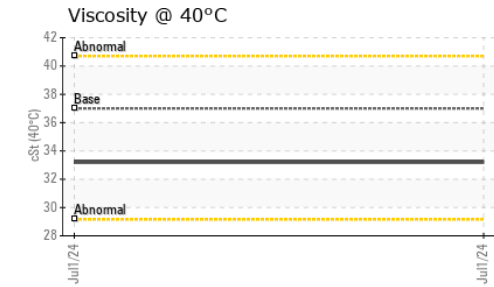
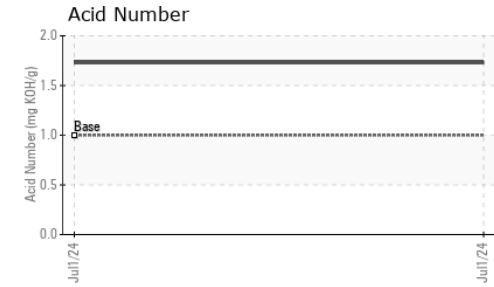
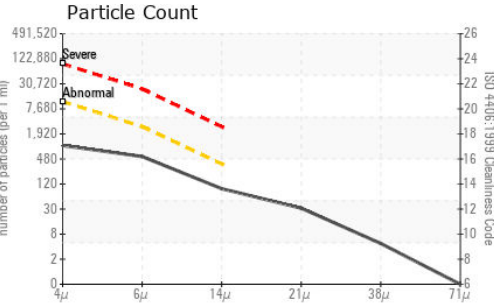
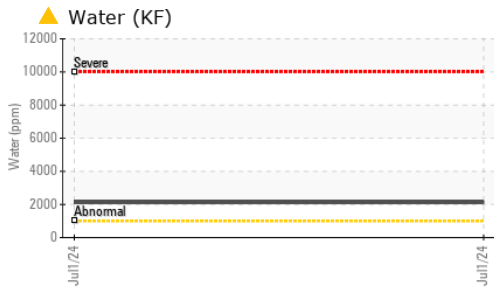
There is a light concentration of water present in the fluid. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>50	4	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Water	%	ASTM D6304	>0.1	0.212	---	---
ppm Water	ppm	ASTM D6304	>1000	2120	---	---
Particles >4µm		ASTM D7647	>10000	887	---	---
Particles >6µm		ASTM D7647	>2500	483	---	---
Particles >14µm		ASTM D7647	>320	82	---	---
Particles >21µm		ASTM D7647	>80	28	---	---
Particles >38µm		ASTM D7647	>20	4	---	---
Particles >71µm		ASTM D7647	>4	0	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/16/14	---	---
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	>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		8	---	---
Boron	ppm	ASTM D5185m	85	154	---	---
Barium	ppm	ASTM D5185m	0	1	---	---
Molybdenum	ppm	ASTM D5185m	0	<1	---	---
Manganese	ppm	ASTM D5185m	0	<1	---	---
Magnesium	ppm	ASTM D5185m	1	3	---	---
Calcium	ppm	ASTM D5185m	100	166	---	---
Phosphorus	ppm	ASTM D5185m	200	420	---	---
Zinc	ppm	ASTM D5185m	0	15	---	---
Sulfur	ppm	ASTM D5185m	1500	2792	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	1.73	---	---
Visc @ 40°C	cSt	ASTM D445	37.0	33.2	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : BE0002203 **Received** : 08 Jul 2024
Lab Number : 06230045 **Tested** : 11 Jul 2024
Unique Number : 11113538 **Diagnosed** : 11 Jul 2024 - Jonathan Hester
Test Package : MOBCE (Additional Tests: KF)

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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