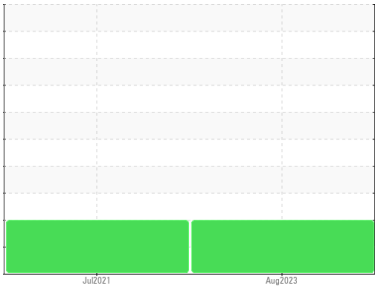
PROBLEM SUMMARY

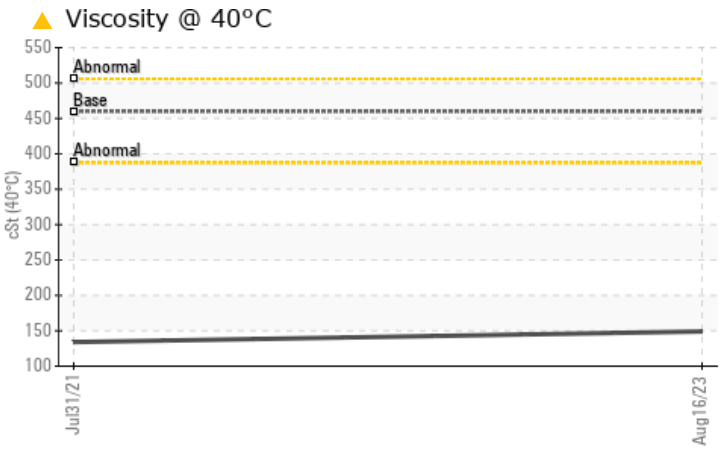
Sample Rating Trend



WATER

Machine Id
CLV446AG001
Component
Gearbox
Fluid
GEAR OIL FG ISO 460 (2 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ABNORMAL	---
Free Water	scalar	*Visual		▲ **1.0**	NEG	---
Visc @ 40°C	cSt	ASTM D445	460	▲ **149**	▲ 134	---

Customer Id: BAXSOC
Sample No.: WC0782575
Lab Number: 05933781
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

31 Jul 2021 Diag: Doug Bogart

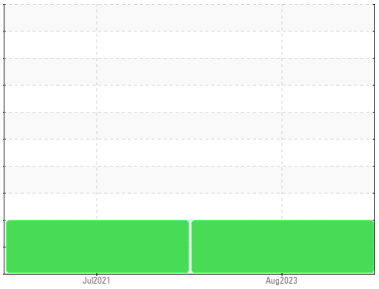
WATER

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate concentration of water present in the oil. The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The AN level is acceptable for this fluid.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Machine Id
CLV446AG001
Component
Gearbox
Fluid
GEAR OIL FG ISO 460 (2 GAL)

DIAGNOSIS

Recommendation
We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
Free water present.

Fluid Condition
The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0782575**	WC0586284	---
Sample Date		Client Info		**16 Aug 2023**	31 Jul 2021	---
Machine Age	wks	Client Info		**0**	0	---
Oil Age	wks	Client Info		**0**	1	---
Oil Changed		Client Info		**N/A**	Changed	---
Sample Status				**ABNORMAL**	ABNORMAL	---

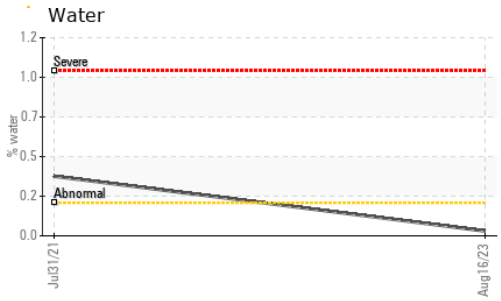
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**6**	2	---
Chromium	ppm	ASTM D5185m	>15	**0**	0	---
Nickel	ppm	ASTM D5185m	>15	**0**	0	---
Titanium	ppm	ASTM D5185m		**0**	0	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m	>25	**5**	4	---
Lead	ppm	ASTM D5185m	>100	**0**	0	---
Copper	ppm	ASTM D5185m	>200	**0**	<1	---
Tin	ppm	ASTM D5185m	>25	**0**	<1	---
Antimony	ppm	ASTM D5185m	>5	**---**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
Cadmium	ppm	ASTM D5185m		**0**	0	---

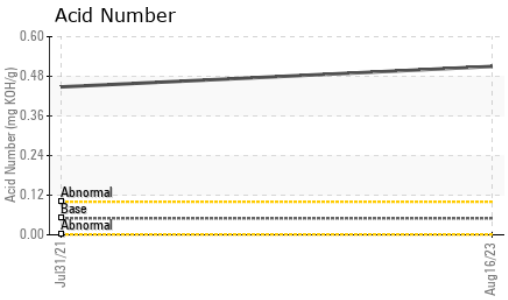
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	**0**	1	---
Barium	ppm	ASTM D5185m	5	**<1**	0	---
Molybdenum	ppm	ASTM D5185m	5	**0**	0	---
Manganese	ppm	ASTM D5185m		**0**	0	---
Magnesium	ppm	ASTM D5185m	5	**<1**	0	---
Calcium	ppm	ASTM D5185m	12	**2**	<1	---
Phosphorus	ppm	ASTM D5185m	400	**634**	566	---
Zinc	ppm	ASTM D5185m	12	**10**	15	---
Sulfur	ppm	ASTM D5185m	750	**686**	501	---

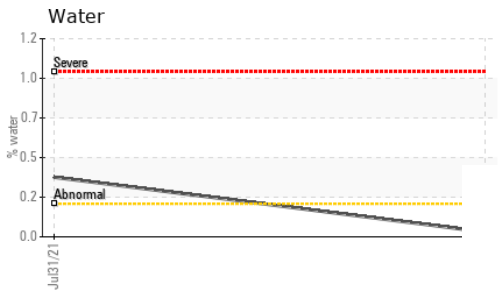
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**4**	3	---
Sodium	ppm	ASTM D5185m		**0**	<1	---
Potassium	ppm	ASTM D5185m	>20	**0**	<1	---
Water	%	ASTM D6304	>0.2	**0.029**	▲ 0.361	---
ppm Water	ppm	ASTM D6304	>2000	**290**	▲ 3610	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	**0.51**	0.448	---

OIL ANALYSIS REPORT

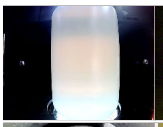
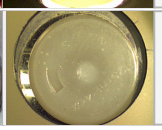




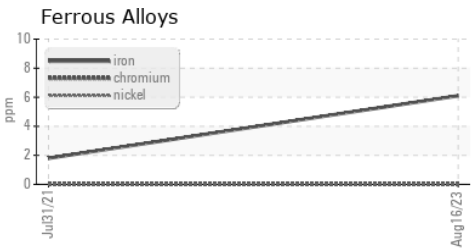


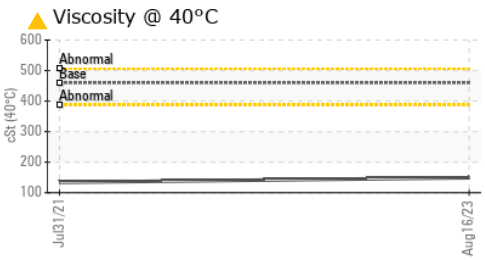
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.2	**0.2%**	0.2%	---
Free Water	scalar	*Visual		▲ **1.0**	NEG	---

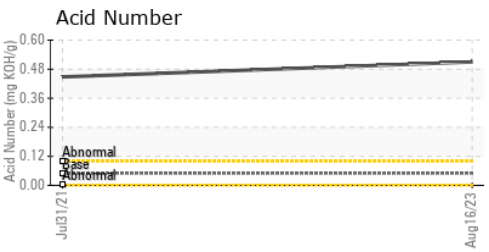
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	460	▲ **149**	▲ 134	---

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. : WC0782575 **Received** : 24 Aug 2023
Lab Number : 05933781 **Diagnosed** : 26 Aug 2023
Unique Number : 10619052 **Diagnostician** : Don Baldridge
Test Package : IND 2 (Additional Tests: KF)

Certificate L2367

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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