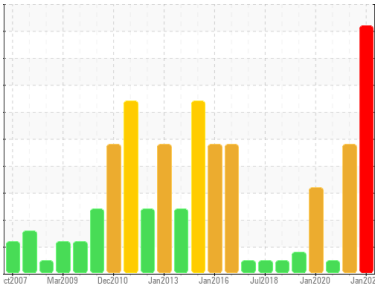
PROBLEM SUMMARY

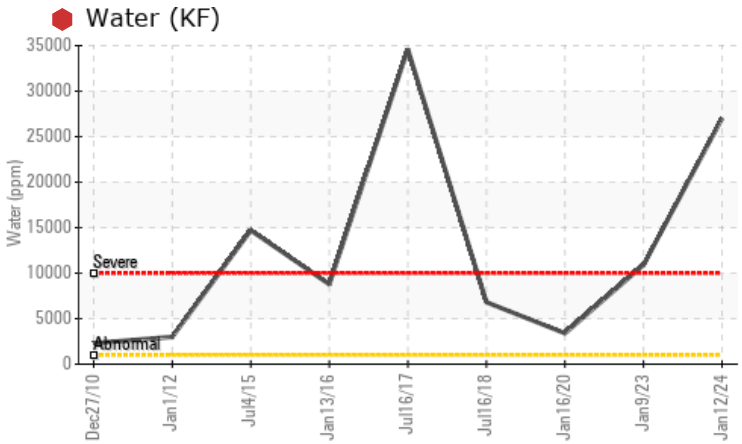
Area
LFC-1030-CM-01-CM023
Machine Id
P201SH02-1030 - SURGE HOPPER AGITATOR #1 DRIVE
Component
Transmission
Fluid
LE 4220 (--- GAL)

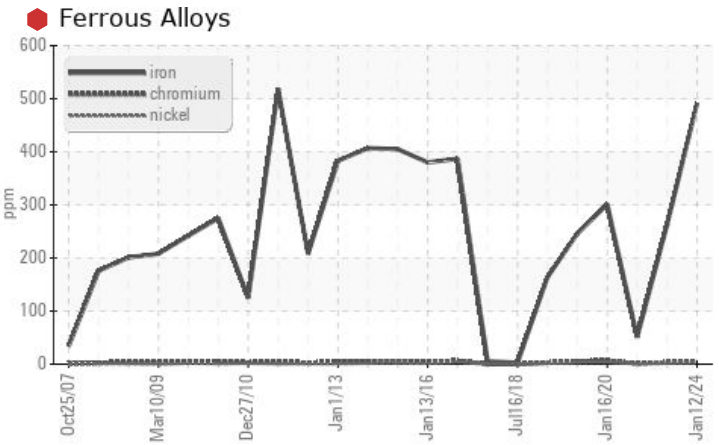
Sample Rating Trend



WEAR

COMPONENT CONDITION SUMMARY





RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the fluid from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	SEVERE	NORMAL
Iron	ppm	ASTM D5185m	>200	**491**	263	51
Water	%	ASTM D6304	>0.1	**2.70**	1.09	---
ppm Water	ppm	ASTM D6304	>1000	**27000**	10900	---
Emulsified Water	scalar	*Visual	>0.1	**0.2%**	0.2%	NEG

Customer Id: LEPALL
Sample No.: WC0882097
Lab Number: 06064479
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
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Fluid	---	---	?	We recommend that you drain the fluid from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

09 Jan 2023 Diag: Jonathan Hester

WATER

We advise that you check for the source of water entry. We recommend that you drain the fluid and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.Gear wear is indicated. Appearance is milky. There is a high concentration of water present in the fluid. The AN level is acceptable for this fluid. The fluid is no longer serviceable due to the presence of contaminants.

view report

14 Jul 2021 Diag: Jonathan Hester

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

16 Jan 2020 Diag: Jonathan Hester

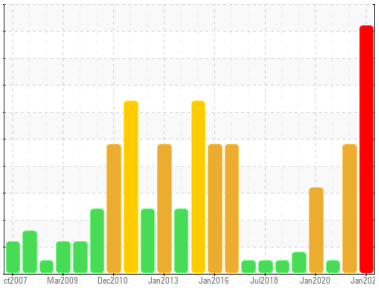
WATER

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition.Gear wear is indicated. Appearance is milky. There is a light concentration of water present in the fluid. The AN level is acceptable for this fluid.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
LFC-1030-CM-01-CM023
Machine Id
P201SH02-1030 - SURGE HOPPER AGITATOR #1 DRIVE
Component
Transmission
Fluid
LE 4220 (--- GAL)

DIAGNOSIS

Recommendation
We advise that you check for the source of water entry. We recommend that you drain the fluid from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear
Gear wear is indicated.

Contamination
There is a high concentration of water present in the fluid.

Fluid Condition
The AN level is acceptable for this fluid. The fluid is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0882097**	WC0767407	WC0587048
Sample Date		Client Info		**12 Jan 2024**	09 Jan 2023	14 Jul 2021
Machine Age	hrs	Client Info		**60**	0	0
Oil Age	hrs	Client Info		**60**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**SEVERE**	SEVERE	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**491**	263	51
Chromium	ppm	ASTM D5185m	>10	**5**	3	<1
Nickel	ppm	ASTM D5185m		**3**	2	<1
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>50	**1**	1	0
Lead	ppm	ASTM D5185m	>50	**<1**	<1	<1
Copper	ppm	ASTM D5185m	>200	**4**	2	<1
Tin	ppm	ASTM D5185m	>10	**1**	<1	<1
Antimony	ppm	ASTM D5185m		**---**	---	<1
Vanadium	ppm	ASTM D5185m		**0**	<1	<1
Cadmium	ppm	ASTM D5185m		**<1**	<1	<1

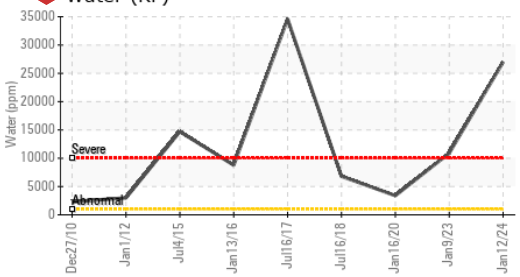
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**2**	0	1
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**<1**	<1	<1
Manganese	ppm	ASTM D5185m		**4**	2	<1
Magnesium	ppm	ASTM D5185m		**2**	0	1
Calcium	ppm	ASTM D5185m		**6**	0	0
Phosphorus	ppm	ASTM D5185m		**422**	419	407
Zinc	ppm	ASTM D5185m		**13**	12	9
Sulfur	ppm	ASTM D5185m		**1248**	1580	1041

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**17**	8	5
Sodium	ppm	ASTM D5185m		**25**	7	0
Potassium	ppm	ASTM D5185m	>20	**3**	2	2
Water	%	ASTM D6304	>0.1	**2.70**	1.09	---
ppm Water	ppm	ASTM D6304	>1000	**27000**	10900	---

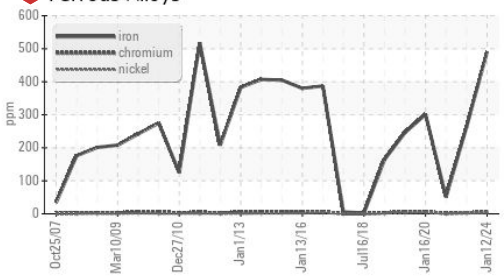
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.63**	0.67	0.607

OIL ANALYSIS REPORT

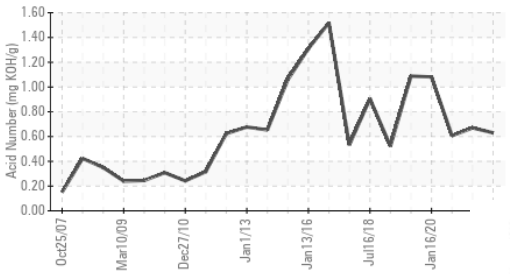
Water (KF)



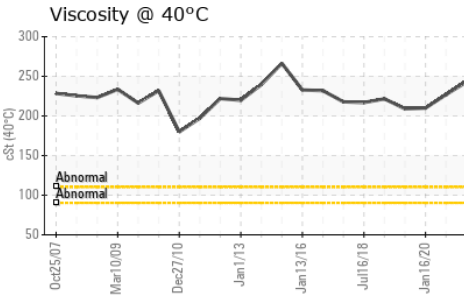
Ferrous Alloys



Acid Number

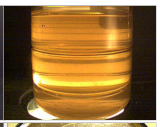
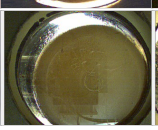


Viscosity @ 40°C



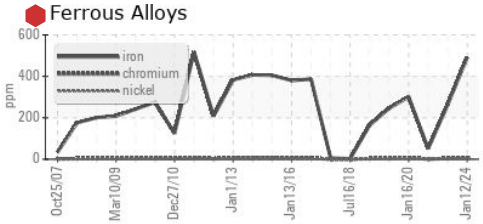
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	▲ MILKY	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	**0.2%**	0.2%	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**249**	243	227

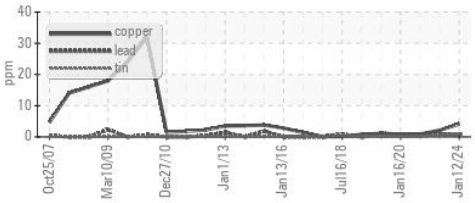
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

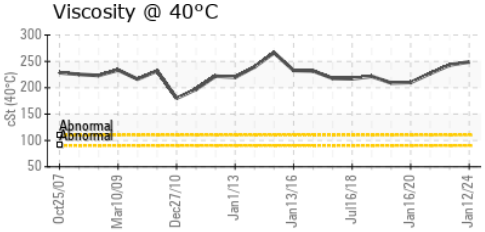
Ferrous Alloys



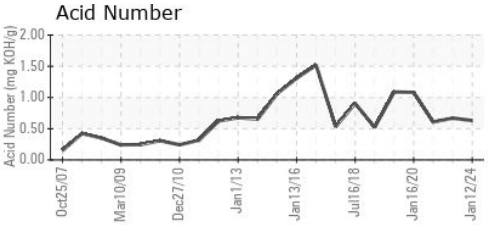
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0882097 **Recieved** : 18 Jan 2024
Lab Number : 06064479 **Diagnosed** : 21 Jan 2024
Unique Number : 10835861 **Diagnostician** : Don Baldridge
Test Package : IND 2 (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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US 49401
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BFERRIER@LEPRINOFOODS.COM
T:
F:

Report Id: LEPALL [WUSCAR] 06064479 (Generated: 01/21/2024 12:20:07) Rev: 1

Submitted By: DANIEL WARNOCK