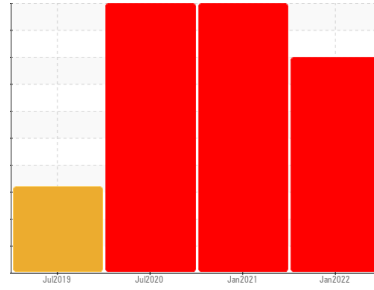




PROBLEM SUMMARY

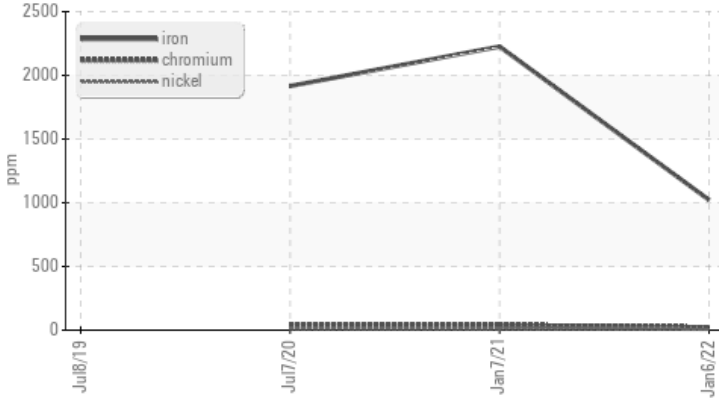
Area
CM27 [1410924]
 Machine Id
AB01PP01
 Component
Transmission
 Fluid
NOT GIVEN (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

Ferrous Alloys



RECOMMENDATION

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	SEVERE
Iron	ppm	ASTM D5185m	>200	🔴 1022	🔴 2226	🔴 1916
Chromium	ppm	ASTM D5185m	>10	🟡 22	🔴 40	🔴 41
White Metal	scalar	*Visual	NONE	🟡 MODER	NONE	🔴 HEAVY

Customer Id: LEPALL
 Sample No.: WC0636004
 Lab Number: 05441520
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +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.

HISTORICAL DIAGNOSIS

07 Jan 2021 Diag: Doug Bogart

WEAR



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. All component wear rates are normal. Appearance is unacceptable. Sodium and/or potassium levels are high. 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



07 Jul 2020 Diag: Don Baldrige

VISUAL METAL



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. High concentration of visible metal present. Gear wear is indicated. Moderate concentration of visible dirt/debris present in the fluid. There is a high concentration of water present in the fluid. The fluid is no longer serviceable due to the presence of contaminants.

view report



08 Jul 2019 Diag: Jonathan Hester

WATER



We advise an early resample to confirm this situation. Sample consists almost entirely of free water.

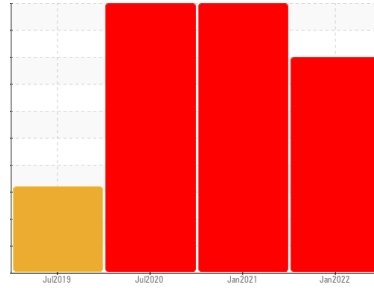
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
CM27 [1410924]
 Machine Id
AB01PP01
 Component
Transmission
 Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

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

Moderate concentration of visible metal present. Gear wear is indicated.

Contamination

The water content is negligible. There is no indication of any contamination in the fluid.

Fluid Condition

The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0636004	WC0532240	WC0464306
Sample Date	Client Info		06 Jan 2022	07 Jan 2021	07 Jul 2020
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			SEVERE	SEVERE	SEVERE

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	1022	2226	1916
Chromium	ppm	ASTM D5185m >10	22	40	41
Nickel	ppm	ASTM D5185m	6	9	11
Titanium	ppm	ASTM D5185m	<1	2	1
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m >50	12	20	16
Lead	ppm	ASTM D5185m >50	0	3	<1
Copper	ppm	ASTM D5185m >200	6	15	15
Tin	ppm	ASTM D5185m >10	0	0	<1
Antimony	ppm	ASTM D5185m	0	0	0
Vanadium	ppm	ASTM D5185m	<1	0	<1
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	23	85	116
Barium	ppm	ASTM D5185m	0	<1	1
Molybdenum	ppm	ASTM D5185m	1	0	3
Manganese	ppm	ASTM D5185m	7	17	15
Magnesium	ppm	ASTM D5185m	2	10	9
Calcium	ppm	ASTM D5185m	23	85	61
Phosphorus	ppm	ASTM D5185m	210	218	277
Zinc	ppm	ASTM D5185m	114	257	326
Sulfur	ppm	ASTM D5185m	2217	2772	3641

CONTAMINANTS

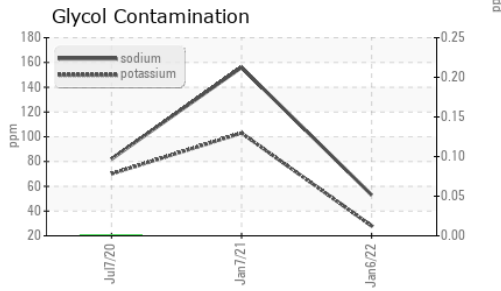
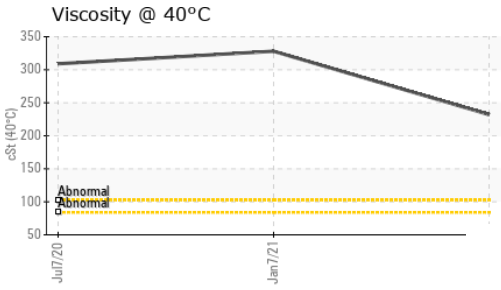
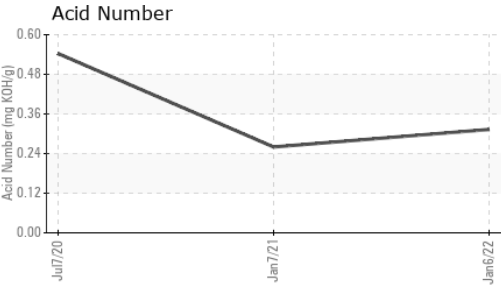
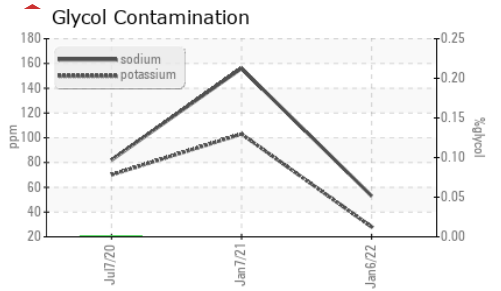
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	18	45	46
Sodium	ppm	ASTM D5185m	53	156	82
Potassium	ppm	ASTM D5185m >20	28	103	70
Glycol	%	*ASTM D2982	---	---	0.0

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.313	0.26	0.543



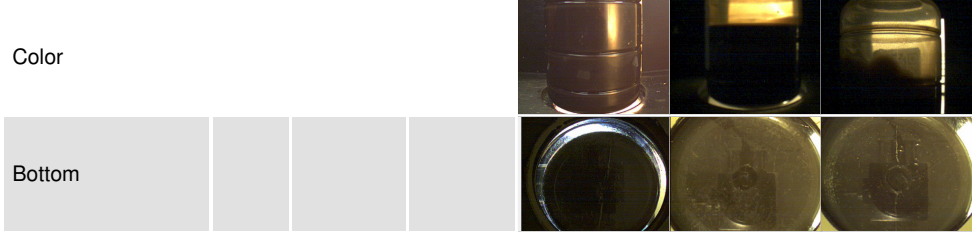
OIL ANALYSIS REPORT



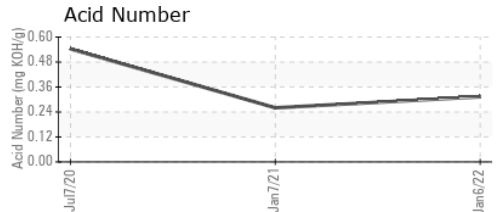
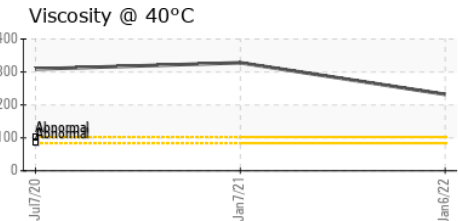
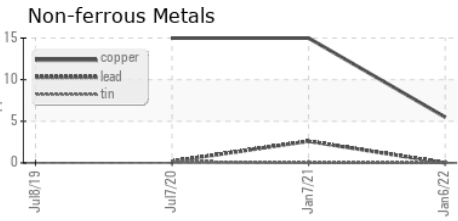
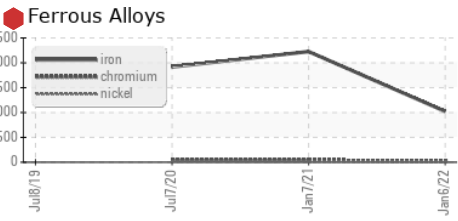
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	▲ MODER	● HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	232	328	309

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0636004 **Received** : 11 Jan 2022
Lab Number : 05441520 **Diagnosed** : 12 Jan 2022
Unique Number : 9805713 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: Glycol)

LEPRINO FOODS - ALLENDALE
 4700 RICH STREET
 ALLENDALE, MI
 US 49401
 Contact: BILL FERRIER
 BFERRIER@LEPRINOFOODS.COM

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)

T:
F: