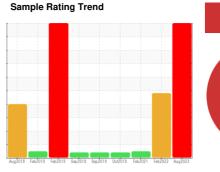


PROBLEM SUMMARY

LFC-1030-CM-01-CM030 Machine Id DM01MT01

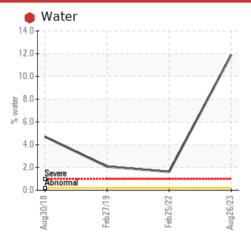
Component **Gearbox**

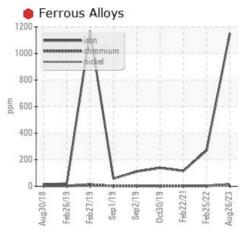
LE 4220 (--- GAL)

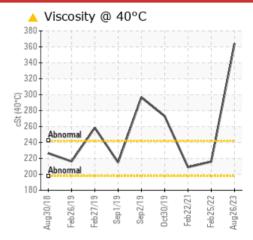




COMPONENT CONDITION SUMMARY







RECOMMENDATION

We advise that you check for the source of water entry. Inspect/change air breather if applicable. We recommend that you drain the oil 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	1152	<u>^</u> 270	115				
Chromium	ppm	ASTM D5185m	>15	14	2	1				
Water	%	ASTM D6304	>0.2	11.9	1.62					
ppm Water	ppm	ASTM D6304	>2000	119000	16200					
Appearance	scalar	*Visual	NORML	▲ MILKY	▲ MILKY	NORML				
Emulsified Water	scalar	*Visual	>0.2	0.2%	0.2%	NEG				
Visc @ 40°C	cSt	ASTM D445		^ 364	216	209				

Customer Id: LEPALL Sample No.: WC0851567 Lab Number: 05938384 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

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. We recommend that you drain the oil from the component if this has not Change Fluid ? already been done. ? Resample We recommend an early resample to monitor this condition. The air breather requires service. If unrated, we recommend that you replace with a **Check Breathers** ? suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather **Check Water Access** We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

25 Feb 2022 Diag: Aaron Black

WATER



We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Iron ppm levels are abnormal. Gear wear is indicated. There is a high concentration of water present in the oil. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



NORMAL



22 Feb 2021 Diag: Wes Davis

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL ISO 220. Please confirm.

NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.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.



30 Oct 2019 Diag: Doug Bogart

VISCOSITY



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 no indication of any contamination in the oil. The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.





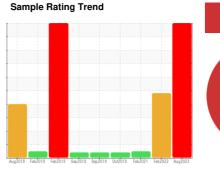
OIL ANALYSIS REPORT

LFC-1030-CM-01-CM030 Machine Id DM01MT01

Component

Gearbox

LE 4220 (--- GAL)





DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. Inspect/change air breather if applicable. We recommend that you drain the oil 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 oil.

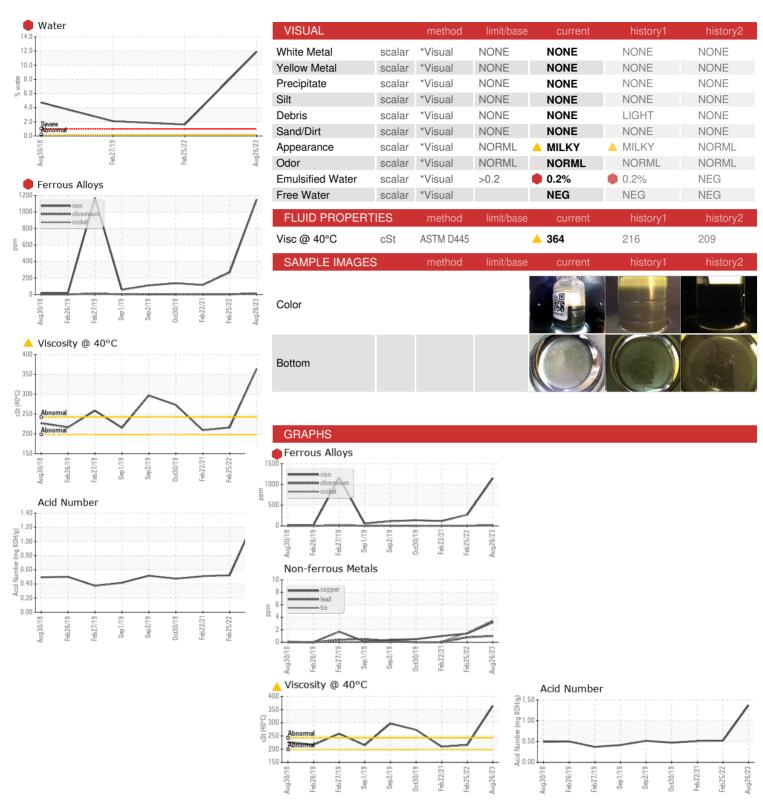
Fluid Condition

The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Augž016 Feb.2019 Feb.2019 Sep.2019 Oct019 Feb.2021 Feb.2022 Augž023									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		WC0851567	WC0669139	WC0555634			
Sample Date		Client Info		26 Aug 2023	25 Feb 2022	22 Feb 2021			
Machine Age	hrs	Client Info		0	0	0			
Oil Age	hrs	Client Info		0	0	0			
Oil Changed		Client Info		Not Changd	Not Changd	N/A			
Sample Status				SEVERE	SEVERE	NORMAL			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>200	1152	<u>^</u> 270	115			
Chromium	ppm	ASTM D5185m	>15	<u> </u>	2	1			
Nickel	ppm	ASTM D5185m	>15	2	3	0			
Titanium	ppm	ASTM D5185m		1	<1	<1			
Silver	ppm	ASTM D5185m		0	<1	<1			
Aluminum	ppm	ASTM D5185m	>25	6	5	0			
Lead	ppm	ASTM D5185m	>100	1	<1	0			
Copper	ppm	ASTM D5185m	>200	3	1	1			
Tin	ppm	ASTM D5185m	>25	4	2	<1			
Antimony	ppm	ASTM D5185m	>5		1	0			
Vanadium	ppm	ASTM D5185m		<1	<1	0			
Cadmium	ppm	ASTM D5185m		1	<1	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m		95	31	6			
Barium	ppm	ASTM D5185m		0	13	<1			
Molybdenum	ppm	ASTM D5185m		<1	<1	0			
Manganese	ppm	ASTM D5185m		7	2	<1			
Magnesium	ppm	ASTM D5185m		0	6	<1			
Calcium	ppm	ASTM D5185m		12	8	2			
Phosphorus	ppm	ASTM D5185m		467	396	408			
Zinc	ppm	ASTM D5185m		239	106	103			
Sulfur	ppm	ASTM D5185m		18566	8066	8235			
CONTAMINANTS	;	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>50	18	7	4			
Sodium	ppm	ASTM D5185m		561	183	17			
Potassium	ppm	ASTM D5185m	>20	14	8	2			
Water	%	ASTM D6304	>0.2	11.9	1.62				
ppm Water	ppm	ASTM D6304	>2000	119000	16200				
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2			
Acid Number (AN)	mg KOH/g	ASTM D8045		1.37	0.52	0.509			



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. **Lab Number Unique Number**

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

: WC0851567 : 05938384 : 10628996 Test Package : IND 2 (Additional Tests: KF)

Received Diagnosed

: 30 Aug 2023 : 31 Aug 2023 Diagnostician : Angela Borella

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: BILL FERRIER BFERRIER@LEPRINOFOODS.COM T:

LEPRINO FOODS - ALLENDALE

4700 RICH STREET

ALLENDALE, MI

US 49401

* - 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)

F: