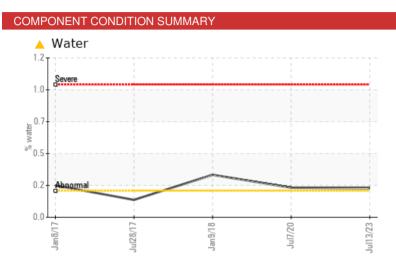


PROBLEM SUMMARY

Area LFC-1030-CM-01-CM029 Machine Id EX13MT02-1030 - EXTRUDER DRIVE 13_2 Component

Gearbox Fluid LE 4220 (13 QTS)



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	NORMAL	NORMAL		
Water	%	ASTM D6304	>0.2	A 0.218				
ppm Water	ppm	ASTM D6304	>2000	A 2180				
Debris	scalar	*Visual	NONE	🔺 MODER	VLITE	NONE		
Appearance	scalar	*Visual	NORML	🔺 HAZY	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	6.2%	NEG	NEG		
Free Water	scalar	*Visual		● 10.0	NEG	NEG		

Customer Id: LEPALL Sample No.: WC0823788 Lab Number: 05900084 Test Package: IND 2



To manage this report scan the QR code

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

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



RECOMMENDED AC	CTIONS			
Action	Status	Date	Done By	Description
Change Fluid			?	We recommend that you drain the oil 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



05 Jan 2023 Diag: Jonathan Hester

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.



04 Jul 2022 Diag: Wes Davis

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.



07 Jan 2022 Diag: Wes Davis



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.



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Report Id: LEPALL [WUSCAR] 05900084 (Generated: 07/18/2023 14:59:22) Rev: 1
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OIL ANALYSIS REPORT

Area LFC-1030-CM-01-CM029 Machine Id EX13MT02-1030 - EXTRUDER DRIVE 13_2 Component

Gearbox Fluid LE 4220 (13 QTS)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. Excessive free water present.

Fluid Condition

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

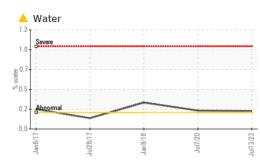


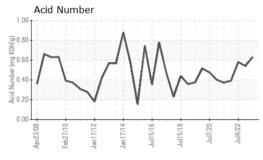
Sample Rating Trend

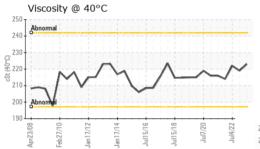
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0823788	WC0757561	WC0694337
Sample Date		Client Info		13 Jul 2023	05 Jan 2023	04 Jul 2022
Machine Age	days	Client Info		0	0	0
Oil Age	days	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	75	69	45
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	<1	1
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	1	2	<1
Tin	ppm	ASTM D5185m	>25	0	0	<1
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	1
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	0	<1
Calcium	ppm	ASTM D5185m		3	<1	3
Phosphorus	ppm	ASTM D5185m		411	437	382
Zinc	ppm	ASTM D5185m		6	19	11
Sulfur	ppm	ASTM D5185m		1670	1585	1501
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	5	5	4
Sodium	ppm	ASTM D5185m		13	10	7
Potassium	ppm	ASTM D5185m	>20	2	0	1
Water	%	ASTM D6304	>0.2	<u> </u>		
ppm Water	ppm	ASTM D6304	>2000	A 2180		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.63	0.54	0.58



OIL ANALYSIS REPORT



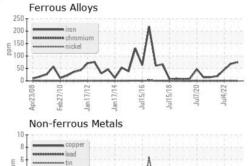


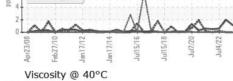


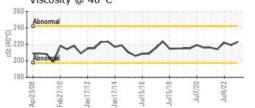
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	🔺 MODER	VLITE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	🔺 HAZY	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	A 0.2%	NEG	NEG
Free Water	scalar	*Visual		• 10.0	NEG	NEG
FLUID PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		223	219	222
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						
				1.00	11000	

Bottom

GRAPHS







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

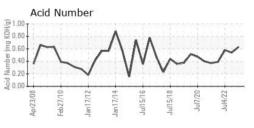
: 17 Jul 2023

: 18 Jul 2023

Diagnostician : Don Baldridge

Received

Diagnosed



LEPRINO FOODS - ALLENDALE 4700 RICH STREET ALLENDALE, MI US 49401 Contact: BILL FERRIER BFERRIER@LEPRINOFOODS.COM T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:



Report Id: LEPALL [WUSCAR] 05900084 (Generated: 07/18/2023 14:59:22) Rev: 1

Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number : 10561440

: WC0823788

Test Package : IND 2 (Additional Tests: KF)

: 05900084

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.

Contact/Location: BILL FERRIER - LEPALL