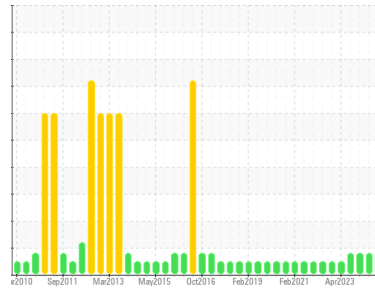




# OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area

LFC-1030-CM-01-CM030 [1962553]

Machine Id

DM03MT01-1030 - 20 DRY MIXER 3 AUGER MOTOR"

Component

Gearbox

Fluid

GEAR OIL ISO 220 (--- GAL)

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

### Wear

Gear wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0918519	WC0897643	WC0851572
Sample Date	Client Info		23 Apr 2024	27 Feb 2024	23 Oct 2023
Machine Age	hrs	Client Info	180	0	0
Oil Age	hrs	Client Info	180	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	▲ 687	▲ 574	▲ 404
Chromium	ppm	ASTM D5185m >15	6	5	3
Nickel	ppm	ASTM D5185m >15	<1	1	<1
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	<1	0	0
Aluminum	ppm	ASTM D5185m >25	0	<1	0
Lead	ppm	ASTM D5185m >100	0	0	0
Copper	ppm	ASTM D5185m >200	<1	<1	0
Tin	ppm	ASTM D5185m >25	0	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 50	11	11	11
Barium	ppm	ASTM D5185m 15	2	2	<1
Molybdenum	ppm	ASTM D5185m 15	0	0	0
Manganese	ppm	ASTM D5185m	9	7	5
Magnesium	ppm	ASTM D5185m 50	<1	2	0
Calcium	ppm	ASTM D5185m 50	2	3	4
Phosphorus	ppm	ASTM D5185m 350	338	374	309
Zinc	ppm	ASTM D5185m 100	106	109	52
Sulfur	ppm	ASTM D5185m 12500	11153	10682	9649

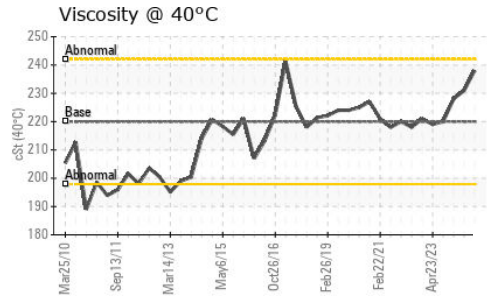
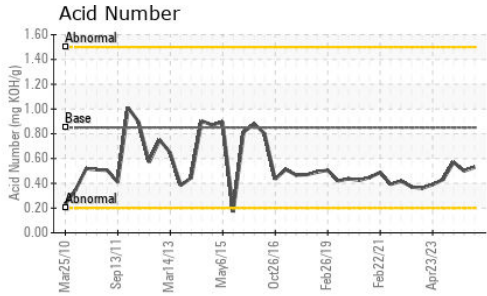
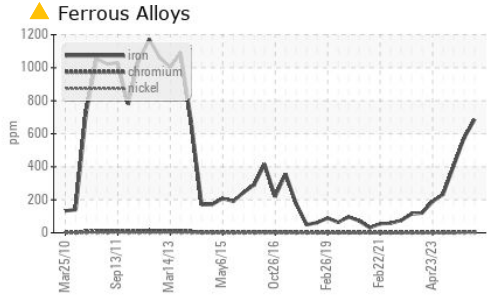
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	7	6	5
Sodium	ppm	ASTM D5185m	3	1	0
Potassium	ppm	ASTM D5185m >20	0	<1	<1

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.85	0.53	0.50	0.57

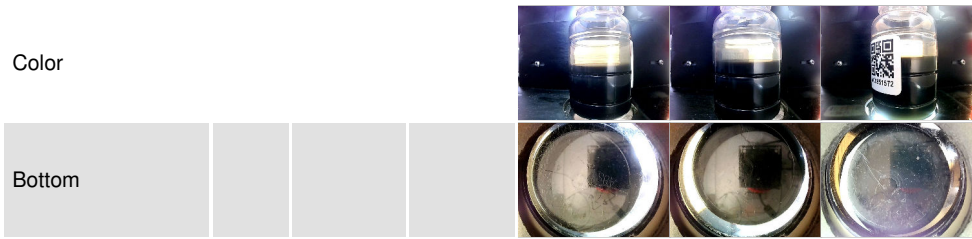
# OIL ANALYSIS REPORT



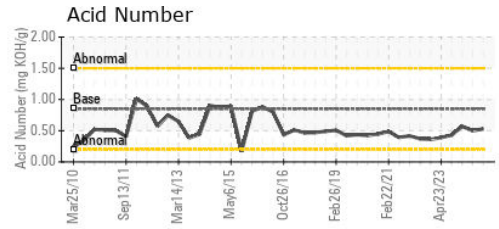
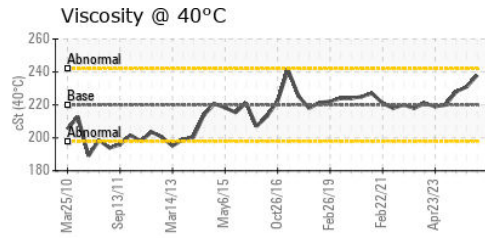
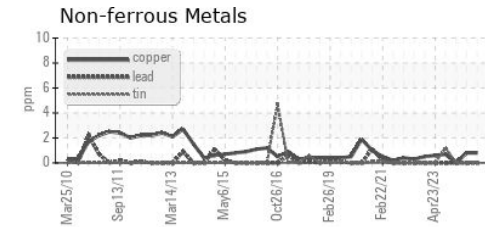
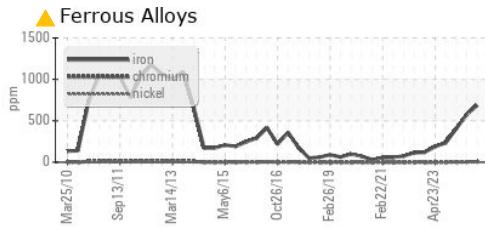
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	220	<b>238</b>	231	228

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0918519      **Received** : 26 Apr 2024  
**Lab Number** : **06161636**      **Tested** : 29 Apr 2024  
**Unique Number** : 10997059      **Diagnosed** : 29 Apr 2024 - Don Baldrige  
**Test Package** : IND 2

**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)