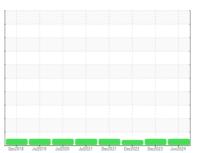


# **OIL ANALYSIS REPORT**

## Sample Rating Trend



NORMAL



# LACTOSE Machine 10 CY02AG01GB01

Gearbox

MOBIL SHC CIBUS 220 (--- QTS)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the fluid.

### **Fluid Condition**

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0936605	WC0864096	WC0760769
Sample Date		Client Info		24 Jun 2024	25 Dec 2023	27 Dec 2022
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				NORMAL	NORMAL	ABNORMAL
CONTAMINATION	J	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	6	11	9
Chromium	ppm	ASTM D5185m		<1	<1	0
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		2	2	0
Lead	ppm	ASTM D5185m	>100	0	<1	0
Copper	ppm	ASTM D5185m		<1	<1	0
Tin	ppm	ASTM D5185m	>25	0	<1	0
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
	le le			· ·	<u> </u>	U
ADDITIVES	ppm	method	limit/base	current	history1	history2
ADDITIVES Boron	ppm		limit/base			
		method	limit/base	current	history1	history2
Boron	ppm	method ASTM D5185m	limit/base	current 2	history1	history2
Boron Barium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base	current 2 0	history1 0 0	history2 0 0
Boron Barium Molybdenum	ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 2 0 0	history1 0 0 <1	history2 0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 2 0 0 0 0	history1 0 0 <1 <1	history2 0 0 0 0
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	method  ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 2 0 0 0 <	history1  0 0 <1 <1 <1 <1	history2 0 0 0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	method  ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m	limit/base	current 2 0 0 0 <	history1  0 0 <1 <1 <1 <1 0	history2 0 0 0 0 0 <1 <1 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base	current 2 0 0 0 <-1 0 887	history1  0 0 <1 <1 <1 0 863	history2  0  0  0  0  <1  <1  989  6  73
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m	limit/base	current 2 0 0 0    0 887 14	history1  0 0 <1 <1 <1 <1 0 863 0	history2  0  0  0  0  0  <1  <1  989  6
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	method ASTM D5185m		current 2 0 0 0 <li>0 </li> <li>1 0 887 14 112</li>	history1  0 0 <1 <1 <1 <1 0 863 0 0	history2  0  0  0  0  <1  <1  989  6  73
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base	current  2  0  0  0  <1  0  887  14  112  current	history1  0 0 <1 <1 <1 <1 0 863 0 0 history1 30 0	history2  0 0 0 0 0 <1 <1 989 6 73 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base >50 >20	current  2  0  0  0  <1  0  887  14  112  current  19	history1  0 0 <1 <1 <1 <1 0 863 0 0 history1 30	history2  0 0 0 0 0 <1 <1 <1 989 6 73 history2 28
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base >50 >20 limit/base	current  2  0  0  0  <1  0  887  14  112  current  19  0  <1	history1  0 0 <1 <1 <1 <1 0 863 0 0 history1 30 2 history1	history2  0  0  0  0  0  <1  <1  989  6  73  history2  28  0  1  history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base >50 >20 limit/base NONE	current 2 0 0 0 0 <1 0 887 14 112 current 19 0 <1	history1  0 0 <1 <1 <1 <1 <0 863 0 0 history1  30 0 2	history2  0  0  0  0  0  <1  <1  989  6  73  history2  28  0  1  history2  NONE
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base >50 >20 limit/base	current  2  0  0  0  <1  0  887  14  112  current  19  0  <1	history1  0 0 <1 <1 <1 <1 0 863 0 0 history1 30 2 history1	history2  0  0  0  0  0  <1 <1 989  6  73  history2  28  0  1  history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m  method  ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m  method	limit/base >50 >20 limit/base NONE NONE NONE	current  2  0  0  0  <1  0  887  14  112  current  19  0  <1  current  NONE  NONE  NONE	history1  0 0 <1 <1 <1 <1 <0 863 0 0 history1 30 0 2 history1 NONE	history2  0  0  0  0  0  <1  <1  989  6  73  history2  28  0  1  history2  NONE
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m  method  ASTM D5185m ASTM D5185m  wethod  *Visual  *Visual	limit/base >50 >20 limit/base NONE NONE	current 2 0 0 0 0 <1 0 887 14 112 current 19 0 <1 current NONE NONE	history1  0 0 <1 <1 <1 <1 <0 863 0 0 history1 30 0 2 history1 NONE NONE	history2  0  0  0  0  0  <1  <1  989  6  73  history2  28  0  1  history2  NONE  NONE
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m  method  ASTM D5185m ASTM D5185m  *Visual  *Visual	limit/base >50 >20 limit/base NONE NONE NONE	current  2  0  0  0  <1  0  887  14  112  current  19  0  <1  current  NONE  NONE  NONE	history1  0 0 <1 <1 <1 <1 <1 0 863 0 0 history1 30 0 2 history1 NONE NONE NONE NONE NONE NONE	history2  0 0 0 0 0 <1 <1 <1 989 6 73 history2 28 0 1 history2 NONE NONE NONE NONE NONE MODER
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m  method ASTM D5185m ASTM D5185m  *Visual *Visual *Visual *Visual	limit/base >50 >20 limit/base NONE NONE NONE	Current   2	history1  0 0 <1 <1 <1 <1 <0 863 0 0 history1 30 0 2 history1 NONE NONE NONE NONE	history2  0  0  0  0  0  <1  <1  989  6  73  history2  28  0  1  history2  NONE  NONE  NONE  NONE

NORML

>0.2

scalar \*Visual

scalar \*Visual

\*Visual

scalar

**NORML** 

NEG

NEG

NORML

ed By HAICHAEL VILLASENOR

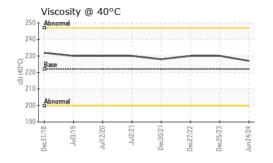
Odor

**Emulsified Water** 

NORML



# **OIL ANALYSIS REPORT**



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	222	227	230	230
SAMPLE IMAGE	ES	method	limit/base	current	history1	history2
Color				no image		
Bottom				no image		

# **GRAPHS** Ferrous Alloys Non-ferrous Metals Viscosity @ 40°C 230 200 190





Certificate 12367

Laboratory

Sample No. Lab Number : 06234131 Unique Number : 11122965 Test Package : IND 1

: WC0936605

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jul 2024 **Tested** : 12 Jul 2024

Diagnosed : 14 Jul 2024 - Don Baldridge

1302 1ST AVE GREELEY, CO US 80631-5909

Contact: ERIC KLINE EKLINE@LEPRINOFOODS.COM

**LEPRINO FOODS-GREELEY** 

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.

T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (970)347-5190