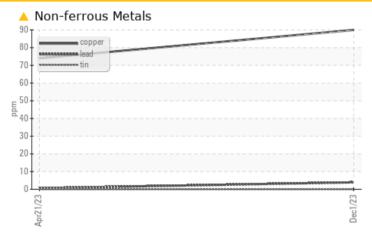


Area WHEY Machine Id **RO06PP11BB01** Component



COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status				ABNORMAL	ABNORMAL				
Copper	ppm	ASTM D5185m	>20	<u> </u>	74				

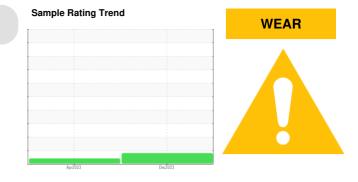
Customer Id: LEPGRE Sample No.: WC0874213 Lab Number: 06029825 Test Package: IND 1



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 <u>customerservice@wearcheck.com</u>



There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

21 Apr 2023 Diag: Angela Borella

VIS DEBRIS



Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.





OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area WHEY Machine Id RO06PP11BB01 Component

Bearing Fluid MOBIL SHC 626 (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0874213	WC0805898	
Sample Date		Client Info		01 Dec 2023	21 Apr 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	1	
Chromium	ppm	ASTM D5185m	>20	<1	0	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>20	0	0	
Lead	ppm	ASTM D5185m	>20	4	<1	
Copper	ppm	ASTM D5185m	>20	<u> </u>	74	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
-	ppm	ASTM D5185m		<1	<1	
Manganese	ppm ppm	ASTM D5185m ASTM D5185m		<1 0	<1 0	
Manganese Magnesium						
Manganese Magnesium Calcium	ppm	ASTM D5185m		0	0	
Manganese Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185m ASTM D5185m		0 15	0 20	
Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 15 754	0 20 844	
Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 15 754 627	0 20 844 808	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >15	0 15 754 627 1175	0 20 844 808 1968	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method		0 15 754 627 1175 current	0 20 844 808 1968 history1	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	>15	0 15 754 627 1175 current <1	0 20 844 808 1968 history1 0	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15	0 15 754 627 1175 <u>current</u> <1 2	0 20 844 808 1968 history1 0 3	 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20	0 15 754 627 1175 current <1 2 <1	0 20 844 808 1968 history1 0 3 0	 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20 limit/base	0 15 754 627 1175 current <1 2 <1 2 <1	0 20 844 808 1968 history1 0 3 0 history1	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20 limit/base NONE	0 15 754 627 1175 current <1 2 <1 2 <1 current NONE	0 20 844 808 1968 history1 0 3 0 0 history1 NONE	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual	>15 >20 limit/base NONE NONE	0 15 754 627 1175 current <1 2 <1 2 <1 current NONE NONE	0 20 844 808 1968 history1 0 3 0 history1 NONE NONE	 history2 history2
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 scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual	>15 >20 limit/base NONE NONE NONE	0 15 754 627 1175 current <1 2 <1 2 <1 current NONE NONE NONE NONE	0 20 844 808 1968 history1 0 3 0 history1 NONE NONE NONE NONE	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>15 >20 limit/base NONE NONE NONE NONE	0 15 754 627 1175 current <1 2 <1 2 <1 vurrent NONE NONE NONE NONE NONE	0 20 844 808 1968 history1 0 3 0 history1 NONE NONE NONE NONE NONE	 history2 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual	>15 >20 limit/base NONE NONE NONE NONE NONE	0 15 754 627 1175 current <1 2 <1 2 <1 current NONE NONE NONE NONE NONE LIGHT	0 20 844 808 1968 history1 0 3 0 3 0 history1 NONE NONE NONE NONE NONE NONE	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>15 >20 limit/base NONE NONE NONE NONE NONE NONE	0 15 754 627 1175 current <1 2 <1 2 <1 current NONE NONE NONE NONE LIGHT NONE	0 20 844 808 1968 0 0 3 0 0 <u>history1</u> NONE NONE NONE NONE NONE NONE NONE	 history2 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>15 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NON	0 15 754 627 1175 current <1 2 <1 2 <1 current NONE NONE NONE LIGHT NONE LIGHT NONE NONE	0 20 844 808 1968 0 3 0 0 history1 0 NONE NONE NONE NONE NONE NONE NONE NO	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>15 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NONE NONE	0 15 754 627 1175 current <1 2 <1 2 <1 current NONE NONE NONE LIGHT NONE LIGHT NONE NORML	0 20 844 808 1968 0 0 3 0 0 <u>history1</u> 0 NONE NONE NONE NONE NONE NONE NONE NO	 history2 history2 -

Submitted By: MICHAEL VILLASENOR



OIL ANALYSIS REPORT

method

limit/base

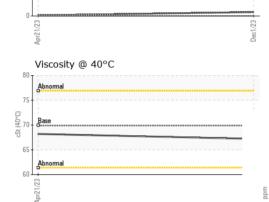
current

history1

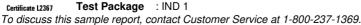
history2

FLUID PROPERTIES





Visc @ 40°C 67.2 68.2 cSt ASTM D445 69.9 SAMPLE IMAGES limit/base method current history1 history2 Color no image Bottom no image GRAPHS Ferrous Alloys chro nickel Non-ferrous Metals 80 70 60 50 40 30 20 10 0 Apr21 Viscosity @ 40°C 78 Abno 76 74 72 70 66 64 62 60 Dec1/23 Apr21/23 LEPRINO FOODS-GREELEY : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0874213 Received : 08 Dec 2023 1302 1ST AVE : 06029825 : 12 Dec 2023 GREELEY, CO Diagnosed Unique Number : 10779616 Diagnostician : Don Baldridge US 80631-5909 Contact: ERIC KLINE



* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

(0°C)

St

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Laboratory

Sample No.

Lab Number

Submitted By: MICHAEL VILLASENOR

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