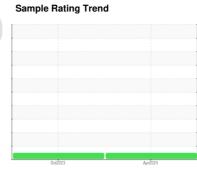


# **OIL ANALYSIS REPORT**

**NFDM** PT11PP02BB01

Component **Bearing** 

**MOBIL SHC 626 (--- GAL)** 





### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

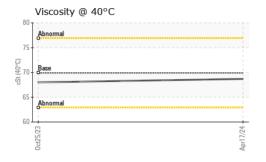
### **Fluid Condition**

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

Magnesium         ppm         ASTM D5185m         0         0				Uct2U23	Apr2U24		
Client Info	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Client Info	Sample Number		Client Info		WC0932039	WC0864042	
Machine Age         hrs         Client Info         0         0							
Oil Changed         hrs         Client Info         N/A         N/A	•	hrs			-		
Contamer   Contament   Conta			Client Info				
NORMAL   NORMAL   CONTAMINATION   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         0	CONTAMINATION	J	method	limit/base	current	history1	history2
Iron	Water		WC Method	>2	NEG	NEG	
Chromium         ppm         ASTM D5185m         >20         0         0            Nickel         ppm         ASTM D5185m         >20         0         0            Titanium         ppm         ASTM D5185m         0         0         0            Silver         ppm         ASTM D5185m         20         0         0            Aluminum         ppm         ASTM D5185m         >20         0         0            Lead         ppm         ASTM D5185m         >20         0         0            Copper         ppm         ASTM D5185m         >20         0         0            Tin         ppm         ASTM D5185m         >20         0         0            Vanadium         ppm         ASTM D5185m         0         0         0            Cadmium         ppm         ASTM D5185m         0         0            ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>20	0	0	
Titanium	Chromium	ppm	ASTM D5185m	>20	0	0	
Silver	Nickel	ppm	ASTM D5185m	>20	0	0	
Aluminum	Titanium	ppm	ASTM D5185m		0	0	
Aluminum	Silver		ASTM D5185m		0	0	
Lead	Aluminum		ASTM D5185m	>20	0	0	
Copper         ppm         ASTM D5185m         >20         <1         3            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            Manganese         ppm         ASTM D5185m         0         0            Manganese         ppm         ASTM D5185m         0         0            Manganesium         ppm         ASTM D5185m         0         0            Calcium         ppm         ASTM D5185m         0         3            Zinc         ppm         ASTM D5185m         0         3	Lead		ASTM D5185m	>20	0	0	
Tin	Copper		ASTM D5185m	>20	<1	3	
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            Manganese         ppm         ASTM D5185m         0         0            Magnesium         ppm         ASTM D5185m         0         3            Calcium         ppm         ASTM D5185m         0         3            Phosphorus         ppm         ASTM D5185m         0         3            Zinc         ppm         ASTM D5185m         15         55            Zinc         ppm         ASTM D5185m         15         55            CONTAMINANTS         method         limit/base         current         history1         history2					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         -1            Molybdenum         ppm         ASTM D5185m         0         0            Magnesium         ppm         ASTM D5185m         0         0            Magnesium         ppm         ASTM D5185m         0         3            Calcium         ppm         ASTM D5185m         0         3            Phosphorus         ppm         ASTM D5185m         0         3            Phosphorus         ppm         ASTM D5185m         0         3            Zinc         ppm         ASTM D5185m         15         55            Zinc         ppm         ASTM D5185m         15         5         0            Sulfur         ppm         ASTM D5185m         >15         <1					_		
Boron					-		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         0         0            Manganese         ppm         ASTM D5185m         <1	Boron	ppm	ASTM D5185m		0	0	
Manganese         ppm         ASTM D5185m         <1         0            Magnesium         ppm         ASTM D5185m         0         0            Calcium         ppm         ASTM D5185m         0         3            Phosphorus         ppm         ASTM D5185m         0         3            Zinc         ppm         ASTM D5185m         0         3            Sulfur         ppm         ASTM D5185m         15         55            CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1	Barium	ppm	ASTM D5185m		0	<1	
Magnesium         ppm         ASTM D5185m         0         0            Calcium         ppm         ASTM D5185m         0         3            Phosphorus         ppm         ASTM D5185m         478         435            Zinc         ppm         ASTM D5185m         0         3            Sulfur         ppm         ASTM D5185m         15         55            CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1	Molybdenum	ppm	ASTM D5185m		0	0	
Calcium         ppm         ASTM D5185m         0         3            Phosphorus         ppm         ASTM D5185m         478         435            Zinc         ppm         ASTM D5185m         0         3            Sulfur         ppm         ASTM D5185m         15         55            CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1	Manganese	ppm	ASTM D5185m		<1	0	
Phosphorus         ppm         ASTM D5185m         478         435            Zinc         ppm         ASTM D5185m         0         3            Sulfur         ppm         ASTM D5185m         15         55            CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1	Magnesium	ppm	ASTM D5185m		0	0	
Zinc         ppm         ASTM D5185m         0         3            Sulfur         ppm         ASTM D5185m         15         55            CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1	Calcium	ppm	ASTM D5185m		0	3	
Sulfur         ppm         ASTM D5185m         15         55            CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1	Phosphorus	ppm	ASTM D5185m		478	435	
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         <1	Zinc	ppm	ASTM D5185m		0	3	
Silicon         ppm         ASTM D5185m         >15         <1	Sulfur	ppm	ASTM D5185m		15	55	
Sodium         ppm         ASTM D5185m         <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185m         >20         0         0            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         NORML         NORML         NORML         NORML           Appearance         scalar         *Visual         NORML         NORML         NORML            Odor         scalar         *Visual         >2         NEG         NEG	Silicon	ppm	ASTM D5185m	>15	<1	0	
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         NORML            Codor         scalar         *Visual         NORML         NORML         NORML            Emulsified Water         scalar         *Visual         >2         NEG         NEG	Sodium	ppm	ASTM D5185m		<1	0	
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         NORML         NORML         NORML            Appearance         scalar         *Visual         NORML         NORML         NORML            Odor         scalar         *Visual         >2         NEG         NEG	Potassium	ppm	ASTM D5185m	>20	0	0	
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         NORML            Odor         scalar         *Visual         >2         NEG         NEG            Emulsified Water         scalar         *Visual         >2         NEG         NEG	VISUAL		method	limit/base	current	history1	history2
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         NORML            Odor         scalar         *Visual         NORML         NORML         NORML            Emulsified Water         scalar         *Visual         >2         NEG         NEG	White Metal	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         NORML           Odor         scalar         *Visual         NORML         NORML         NORML            Emulsified Water         scalar         *Visual         >2         NEG         NEG	Yellow Metal	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 >2 NEG NEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt         scalar         *Visual         NONE         NONE            Appearance         scalar         *Visual         NORML         NORML         NORML            Odor         scalar         *Visual         NORML         NORML         NORML            Emulsified Water         scalar         *Visual         >2         NEG         NEG	Silt	scalar	*Visual	NONE	NONE	NONE	
Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >2 NEG NEG	Debris	scalar	*Visual	NONE	NONE	NONE	
Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >2 NEG NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >2 NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water scalar *Visual >2 NEG NEG		scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water					NEG	
	Free Water	scalar	*Visual		NEG	NEG	

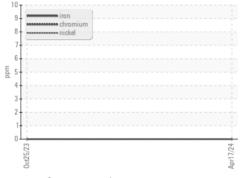


## **OIL ANALYSIS REPORT**

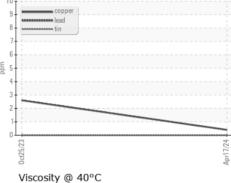


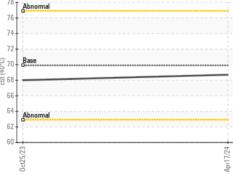


# Ferrous Alloys



### Non-ferrous Metals









Certificate 12367

Laboratory

Sample No. : WC0932039 Lab Number : 06160850 Unique Number : 10996273

Test Package : IND 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Apr 2024 Tested : 26 Apr 2024

Diagnosed : 29 Apr 2024 - Don Baldridge

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

GREELEY, CO US 80631-5909 Contact: ERIC KLINE

EKLINE@LEPRINOFOODS.COM

**LEPRINO FOODS-GREELEY** 

\* - 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: (970)347-5190 Submitted By: MICHAEL VILLASENOR

1302 1ST AVE