

# **PROBLEM SUMMARY**

# WHEY [1718916] Machine Id RO08PP31BB01

Component **Bearing** 

MOBIL SHC 626 (--- GAL)

# Sample Rating Trend WATER WATER Nodas Medas Nodas No

# **COMPONENT CONDITION SUMMARY**

No relevant graphs to display

# RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. Inspect/change air breather if applicable. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS						
Sample Status				ABNORMAL	NORMAL	ABNORMAL
Free Water	scalar	*Visual		<u> </u>	NEG	NEG

Customer Id: LEPGRE Sample No.: WC0805931 Lab Number: 05841757 Test Package: IND 1

To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

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

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Water Drain-off		;	?	We advise that you follow the water drain-off procedure for this component.
Resample			?	We recommend an early resample to monitor this condition.
Check Breathers			?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.
Check Water Access			?	We advise that you check for the source of water entry.

# HISTORICAL DIAGNOSIS

# 23 Oct 2022 Diag: Don Baldridge

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



# 27 Sep 2022 Diag: Don Baldridge

VISUAL METAL



We suspect abnormal metal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



## 02 Nov 2021 Diag: Don Baldridge

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





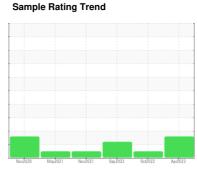
# **OIL ANALYSIS REPORT**

# WHEY [1718916] RO08PP31BB01

Component

**Bearing** 

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





# **DIAGNOSIS**

## Recommendation

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. Inspect/change air breather if applicable. We recommend an early resample to monitor this condition.

All component wear rates are normal.

## Contamination

Free water present.

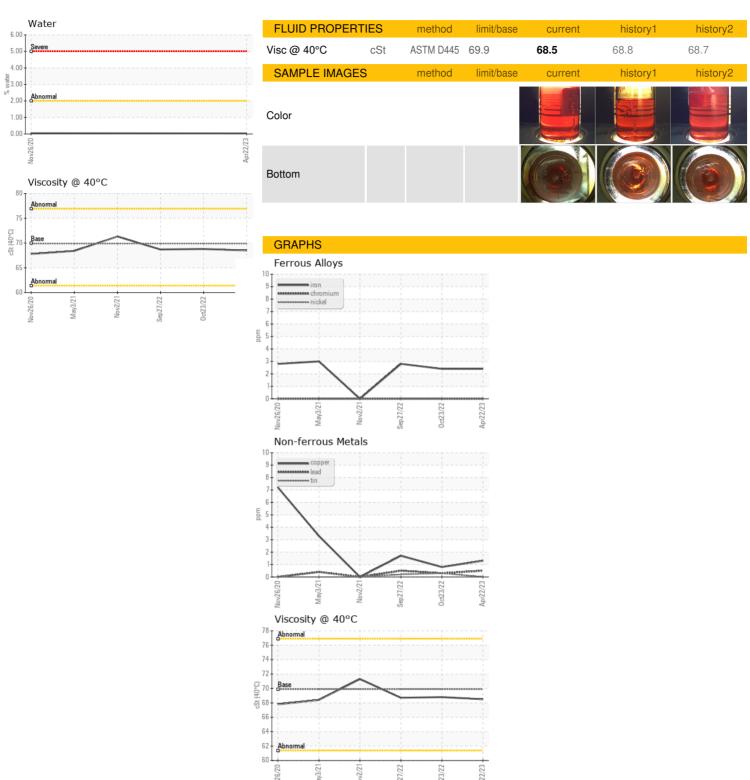
# **Fluid Condition**

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

Sample Number         Client Info         WC0805931         WC0745802         WC068747           Sample Date         Client Info         22 Apr 2023         23 Oct 2022         27 Sep 202           Machine Age         hrs         Client Info         0         0         0           Oil Age         hrs         Client Info         N/A         N/A         N/A           Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         Client Info         N/A         N/A         N/A         N/A           WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         >20         2         2         3           Chromium         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         -1         -1           Silver         ppm         ASTM D5185m         >20         0         -1         -1           Copper         ppm         ASTM D5185m         >20         0         -1         -1           Copper         pp			Nov2020	May2021 Nov2021	Sep2022 Oct2022	Apr2023	
Sample Date         Client Info         22 Apr 2023         23 Oct 2022         27 Sep 202           Machine Age         hrs         Client Info         0         0         0         0           Oil Age         hrs         Client Info         0         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         Client Info         N/A         N/A         N/A         N/A           WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         >20         0         0         0           Chromium         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         0         0           Alluminum         ppm         ASTM D5185m         >20         0         <1	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         0         0         0         0           Oil Age         hrs         Client Info         0         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         Client Info         N/A         N/A         N/A         N/A           WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         20         2         2         3           Chromium         ppm         ASTM D5185m         20         0         0         0           Nickel         ppm         ASTM D5185m         20         0         0         1         -1           Silver         ppm         ASTM D5185m         20         0         -1         0         -1           Lead         ppm         ASTM D5185m         20         0         -1         -1         -1           Copper         ppm         ASTM D5185m         20         0         -1         -1         -1           Candium         ppm         ASTM D5185m	Sample Number		Client Info		WC0805931	WC0745802	WC0687475
Oil Age         hrs         Client Info         N/A         N/A         N/A         N/A           Sample Status         Client Info         N/A         N/A         N/A         N/A         N/A           WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTIM D5185m         >20         2         2         3           Chromium         ppm         ASTIM D5185m         >20         0         0         0           Nickel         ppm         ASTIM D5185m         >20         0         0         0           Nickel         ppm         ASTIM D5185m         20         0         0         1         -1           Silver         ppm         ASTIM D5185m         20         0         -1         -1         -1           Aluminum         ppm         ASTIM D5185m         >20         0         -1         -1         -1           Lead         ppm         ASTIM D5185m         20         0         -1         -1         -1           Copper         ppm         ASTIM D5185m         20         0         -1         -1         -1           Cal	Sample Date		Client Info		22 Apr 2023	23 Oct 2022	27 Sep 2022
Oil Changed Sample Status         Client Info         N/A         ABNORMAL ABNORMAL         ABNORMAL ABNORMAL         ABNORMAL ABNORMAL         ABNORMAL ABNORMAL         ASTMOSISS         ASTMOSISS         current         history1         history1         history1         history1         history2         history1         history3         history2         history3         history3         history3         history3         history3         history4         porman         ASTMOSISS         20         0<		hrs	Client Info		0	0	0
Oil Changed Sample Status         Client Info         N/A         N/A         N/A         ABNORMAL         ABNORMAL	Oil Age	hrs	Client Info		0	0	0
Sample Status         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         >20         2         2         3           Chromium         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         0         0           Tittanium         ppm         ASTM D5185m         0         <1	-		Client Info		N/A	N/A	N/A
Iron	-				ABNORMAL	NORMAL	ABNORMAL
Chromium         ppm         ASTM D5185m         >20         0         0         0           Nickel         ppm         ASTM D5185m         >20         0         0         0           Titanium         ppm         ASTM D5185m         0         <1         <1           Silver         ppm         ASTM D5185m         >20         0         <1         <1           Aluminum         ppm         ASTM D5185m         >20         0         <1         <1           Lead         ppm         ASTM D5185m         >20         1         <1         <1           Copper         ppm         ASTM D5185m         >20         1         <1         <1           Copper         ppm         ASTM D5185m         >20         0         <1         <1           Antimony         ppm         ASTM D5185m         >20         0         <1         <1           Antimony         ppm         ASTM D5185m         >20         0         <0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         <1         0         0         0	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>20	2	2	3
Titanium	Chromium	ppm	ASTM D5185m	>20	0	0	0
Silver         ppm         ASTM D5185m         0         <1         0           Aluminum         ppm         ASTM D5185m         >20         0         <1	Nickel	ppm	ASTM D5185m	>20	0	0	0
Silver	Titanium	ppm	ASTM D5185m		0	<1	<1
Aluminum         ppm         ASTM D5185m         >20         0         <1         <1           Lead         ppm         ASTM D5185m         >20         <1	Silver		ASTM D5185m		0	<1	0
Lead	Aluminum	• •	ASTM D5185m	>20	0	<1	<1
Copper         ppm         ASTM D5185m         >20         1         <1         2           Tin         ppm         ASTM D5185m         >20         0         <1					-		
Tin		• •					
Antimony         ppm         ASTM D5185m							
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         <1         0         0           Barium         ppm         ASTM D5185m         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1		• •		<i>&gt;</i> 20			
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history1           Boron         ppm         ASTM D5185m         <1	•						
ADDITIVES		• •					
Boron	Cadmium	ppm	AS IM D5 185M		U	0	Ü
Barium         ppm         ASTM D5185m         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         <1         <1         <1           Magnesium         ppm         ASTM D5185m         1         <1         <1           Phosphorus         ppm         ASTM D5185m         1         <1         <1           Phosphorus         ppm         ASTM D5185m         7         7         6           Sulfur         ppm         ASTM D5185m         7         7         6           Sulfur         ppm         ASTM D5185m         248         317         299           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >15         0         <1         <1           Sodium         ppm         ASTM D5185m         >20         1         <1         <1           Valer         %         ASTM D5185m         >20         1         <1         <1           Water         %         ASTM D5185m         >20	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         <1	Boron	ppm	ASTM D5185m		<1	0	0
Manganese         ppm         ASTM D5185m         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1 <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>0</td> <td>0</td>	Barium	ppm	ASTM D5185m		0	0	0
Magnesium         ppm         ASTM D5185m         <1         0         0           Calcium         ppm         ASTM D5185m         1         <1	Molybdenum	ppm	ASTM D5185m		0	0	0
Magnesium         ppm         ASTM D5185m         <1         0         0           Calcium         ppm         ASTM D5185m         1         <1	Manganese	ppm	ASTM D5185m		<1	<1	<1
Calcium         ppm         ASTM D5185m         1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1		ppm	ASTM D5185m		<1	0	0
Phosphorus         ppm         ASTM D5185m         413         458         446           Zinc         ppm         ASTM D5185m         7         7         6           Sulfur         ppm         ASTM D5185m         248         317         299           CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >15         0         <1         <1           Sodium         ppm         ASTM D5185m         >20         1         <1         <1           Potassium         ppm         ASTM D5185m         >20         1         <1         <1           Water         %         ASTM D5185m         >20         1         <1         <1           Water </td <td>-</td> <td></td> <td>ASTM D5185m</td> <td></td> <th>1</th> <td>&lt;1</td> <td>&lt;1</td>	-		ASTM D5185m		1	<1	<1
Zinc         ppm         ASTM D5185m         7         7         6           Sulfur         ppm         ASTM D5185m         248         317         299           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         0         <1         <1           Sodium         ppm         ASTM D5185m         >20         1         <1         <1           Potassium         ppm         ASTM D5185m         >20         1         <1         <1           Water         %         ASTM D5185m         >20         1         <1         <1         <1           Water         %         ASTM D5185m         >20         1         <1         <1					413	458	446
Sulfur         ppm         ASTM D5185m         248         317         299           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         0         <1							
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >15         0         <1	-				-		
Silicon         ppm         ASTM D5185m         >15         0         <1				limit/hase			
Sodium							
Potassium         ppm         ASTM D5185m         >20         1         <1         <1           Water         %         ASTM D6304         >2         0.034             ppm         ASTM D6304         340             VISUAL         method         limit/base         current         history1         history1           White Metal         scalar         *Visual         NONE         NONE         NONE         MODER           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Precipitate         scalar         *Visual         NONE         NONE         NONE         NONE           Silt         scalar         *Visual         NONE         NONE         NONE         NONE           Debris         scalar         *Visual         NONE         NONE         NONE         NONE           Sand/Dirt         scalar         *Visual         NONE         NONE         NONE         NONE           Appearance         scalar         *Visual         NORML         NORML         NORML         NORML         NORML         NORML           Codor         scalar				>15			
Water       %       ASTM D6304       >2       0.034           ppm Water       ppm       ASTM D6304       340            VISUAL       method       limit/base       current       history1       history1         White Metal       scalar       *Visual       NONE       NONE       NONE       NONE         Yellow Metal       scalar       *Visual       NONE       NONE       NONE       NONE       NONE         Precipitate       scalar       *Visual       NONE       NONE       NONE       NONE       NONE         Silt       scalar       *Visual       NONE       NONE       NONE       NONE       NONE         Debris       scalar       *Visual       NONE       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NORML         Body       Properties       Properties       Properties       Properties       Properties       NORML       NORML       NORML       NORML <td></td> <td></td> <td></td> <td>00</td> <th>-</th> <td></td> <td></td>				00	-		
VISUAL       method       limit/base       current       history1       history1         White Metal       scalar       *Visual       NONE       NONE       NONE       NONE         Yellow Metal       scalar       *Visual       NONE       NONE       NONE       NONE         Precipitate       scalar       *Visual       NONE       NONE       NONE       NONE         Silt       scalar       *Visual       NONE       NONE       NONE       NONE         Debris       scalar       *Visual       NONE       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NORML						<1	<1
VISUAL       method       limit/base       current       history1       history1         White Metal       scalar       *Visual       NONE       NONE       NONE       NONE         Yellow Metal       scalar       *Visual       NONE       NONE       NONE       NONE         Precipitate       scalar       *Visual       NONE       NONE       NONE       NONE         Silt       scalar       *Visual       NONE       NONE       NONE       NONE         Debris       scalar       *Visual       NONE       NONE       NONE       NONE         Sand/Dirt       scalar       *Visual       NONE       NONE       NONE       NONE         Appearance       scalar       *Visual       NORML       NORML       NORML       NORML       NORML         Odor       scalar       *Visual       >2       0.2%       NEG       NEG				>2			
White Metal scalar *Visual NONE NONE NONE A MODER Yellow Metal scalar *Visual NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >2 0.2% NEG NORE		ppm					
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>20.2%NEGNEG							history2
Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >2 0.2% NEG NEG							
Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >2 0.2% NEG NEG					_		
Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>20.2%NEGNEG		scalar					
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>20.2%NEGNEG	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>20.2%NEGNEG	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odor scalar *Visual NORML NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >2 0.2% NEG NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >2 0.2% NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water scalar *Visual >2 0.2% NEG NEG	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar			0.2%		
Free vvater scalar *Visual A 1.0 NEG NEG	Free Water	scalar	*Visual		<u> </u>	NEG	NEG



# **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number

: WC0805931 : 05841757 Unique Number : 10465864

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 May 2023 Diagnosed : 10 May 2023

Diagnostician : Angela Borella

Test Package : IND 1 (Additional Tests: KF) 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)

**LEPRINO FOODS-GREELEY** 

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