

# **OIL ANALYSIS REPORT**

## Sample Rating Trend

NORMAL



# WHEY [1718910] Machine Id RO05PP04BB01

Component

**Bearing** Fluid

MOBIL SHC 626 (1 QTS)

AG		

#### Recommendation

Resample at the next service interval to monitor.

#### Moor

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

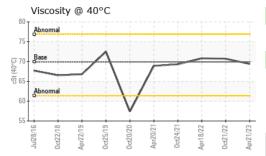
### **Fluid Condition**

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

Sample Date         Client Info         21 Apr 2023         21 Oct 2022         18 Apr 2022           Machine Age         Client Info         0         0         0           Oil Age         Client Info         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A           Sample Status         NORMAL         NORMAL         NORMAL         NORMAL			Jul2016 Oct2	018 Apr2019 Oct2019 Oct2	020 Aprž021 Octž021 Aprž022 Oct	022 Apr2023	
Sample Date   Client Info   21 Apr 2023   21 Oct 2022   18 Apr 2022   Machine Age   Client Info   0	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age         Client Info         0         0         0           Oil Age         Client Info         0         0         0           Oil Changed         Client Info         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A           Sample Status         Image: Client Info         N/A         N/A         N/A         N/A           WEAR METALS         method         Imititibase         current         history1         history2           Iron         ppm         ASTM D5185m         220         4         3         0           Chromium         ppm         ASTM D5185m         >15         0         0         0           Nickel         ppm         ASTM D5185m         >15         0         0         0           Silver         ppm         ASTM D5185m         >10         0         0         0           Silver         ppm         ASTM D5185m         >100         0         1         0           Copper         ppm         ASTM D5185m         >200         4         4         0           Tin         ppm         ASTM D5185m         0         0	Sample Number		Client Info		WC0805909	WC0747468	WC0687487
Oil Age         Client Info         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         NORMAL         NORMAL         NORMAL         NORMAL         NORMAL         NORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >200         4         3         0           Chromium         ppm         ASTM D5185m         >200         4         3         0           Nickel         ppm         ASTM D5185m         >15         0         0         0           Nickel         ppm         ASTM D5185m         >15         0         0         0           Aluminum         ppm         ASTM D5185m         >20         4         4         0           Lead         ppm         ASTM D5185m         >20         4         4         0           Copper         ppm         ASTM D5185m         >20         4         4         0           Tin         ppm         ASTM D5185m         >5	Sample Date		Client Info		21 Apr 2023	21 Oct 2022	18 Apr 2022
Cilient Info	Machine Age		Client Info		0	0	0
NORMAL   NORMAL   NORMAL   NORMAL   WEAR METALS   method   limit/base   current   history1   history2   history2   limit/base   current   history1   history2   limit/base   current   history2   history2   limit/base   current   history2   history2   limit/base   current   history2   history2   limit/base   current   history2   history2   limit/base   current   history1   histo	Oil Age		Client Info		0	0	0
NORMAL   NORMAL   NORMAL   NORMAL   WEAR METALS   method   limit/base   current   history1   history2   history2			Client Info		N/A	N/A	N/A
Iron	-				NORMAL	NORMAL	NORMAL
Chromium         ppm         ASTM D5185m         >15         0         0         0           Nickel         ppm         ASTM D5185m         >15         0         0         0           Tittanium         ppm         ASTM D5185m         0         0         0         0           Siliver         ppm         ASTM D5185m         >0         0         0         0           Aluminum         ppm         ASTM D5185m         >20         0         -1         -1           Lead         ppm         ASTM D5185m         >20         4         4         0           Tin         ppm         ASTM D5185m         >20         -1         0         0           Antimony         ppm         ASTM D5185m         >5               Vanadium         ppm         ASTM D5185m         0         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         <	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>200	4	3	0
Titanium	Chromium	ppm	ASTM D5185m	>15	0	0	0
Silver	Nickel	ppm	ASTM D5185m	>15	0	0	0
Aluminum	Titanium	ppm	ASTM D5185m		0	0	0
Lead         ppm         ASTM D5185m         >100         0         1         0           Copper         ppm         ASTM D5185m         >200         4         4         0           Tin         ppm         ASTM D5185m         >25         0         <1	Silver	ppm	ASTM D5185m		0	0	0
Lead         ppm         ASTM D5185m         >100         0         1         0           Copper         ppm         ASTM D5185m         >200         4         4         0           Tin         ppm         ASTM D5185m         >25         0         <1	Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
Copper         ppm         ASTM D5185m         >200         4         4         0           Tin         ppm         ASTM D5185m         >25         0         <1	Lead			>100	0	1	0
Tin         ppm         ASTM D5185m         >25         0         <1         0           Antimony         ppm         ASTM D5185m         >5              Vanadium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Boron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         <1	Copper		ASTM D5185m	>200	4	4	0
Antimony         ppm         ASTM D5185m         >5               Vanadium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Boron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         0         0           Calcium         ppm         ASTM D5185m         4         4         0         0           Phosphorus         ppm         ASTM D5185m         458         462         458         258         85           Zinc         ppm         ASTM D5185m         60         59         0         0         0         1         <1					0	<1	0
Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Baron         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Mangaesium         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         4         4         0         0           Calcium         ppm         ASTM D5185m         458         462         458         2458           Zinc         ppm         ASTM D5185m         238         258         85           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         0         <1         <1         0	Antimony	• •		>5			
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0           Barium         ppm         ASTM D5185m         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0           Mangaese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         0           Calcium         ppm         ASTM D5185m         4         4         0           Phosphorus         ppm         ASTM D5185m         458         462         458           Zinc         ppm         ASTM D5185m         60         59         0           Sulfur         ppm         ASTM D5185m         238         258         85           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         0         <1	•				0	0	0
Boron					-		
Barium         ppm         ASTM D5185m         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         <1         <1         0           Magnesium         ppm         ASTM D5185m         0         0         0           Calcium         ppm         ASTM D5185m         458         462         458           Zinc         ppm         ASTM D5185m         60         59         0           Sulfur         ppm         ASTM D5185m         238         258         85           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         0         <1         <1           Sodium         ppm         ASTM D5185m         >50         0         <1         <1           Sodium         ppm         ASTM D5185m         >20         0         <1         <1           VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         N	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         <1         <1         0           Magnesium         ppm         ASTM D5185m         0         0         0           Calcium         ppm         ASTM D5185m         4         4         4         0           Phosphorus         ppm         ASTM D5185m         458         462         458           Zinc         ppm         ASTM D5185m         60         59         0           Sulfur         ppm         ASTM D5185m         238         258         85           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         0         <1         <1           Sodium         ppm         ASTM D5185m         >50         0         <1         <1           Sodium         ppm         ASTM D5185m         >50         0         <1         <1           VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Vi	Boron	ppm	ASTM D5185m		0	0	0
Manganese         ppm         ASTM D5185m         <1         <1         0           Magnesium         ppm         ASTM D5185m         0         0         0           Calcium         ppm         ASTM D5185m         4         4         0           Phosphorus         ppm         ASTM D5185m         458         462         458           Zinc         ppm         ASTM D5185m         60         59         0           Sulfur         ppm         ASTM D5185m         238         258         85           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         0         <1	Barium	ppm	ASTM D5185m		0	0	0
Magnesium         ppm         ASTM D5185m         0         0         0           Calcium         ppm         ASTM D5185m         4         4         0           Phosphorus         ppm         ASTM D5185m         458         462         458           Zinc         ppm         ASTM D5185m         60         59         0           Sulfur         ppm         ASTM D5185m         238         258         85           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         0         <1	Molybdenum	ppm	ASTM D5185m		0	0	0
Calcium         ppm         ASTM D5185m         4         4         0           Phosphorus         ppm         ASTM D5185m         458         462         458           Zinc         ppm         ASTM D5185m         60         59         0           Sulfur         ppm         ASTM D5185m         238         258         85           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         0         <1	Manganese	ppm	ASTM D5185m		<1	<1	0
Calcium         ppm         ASTM D5185m         4         4         0           Phosphorus         ppm         ASTM D5185m         458         462         458           Zinc         ppm         ASTM D5185m         60         59         0           Sulfur         ppm         ASTM D5185m         238         258         85           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         0         <1	Magnesium	ppm	ASTM D5185m		0	0	0
Phosphorus         ppm         ASTM D5185m         458         462         458           Zinc         ppm         ASTM D5185m         60         59         0           Sulfur         ppm         ASTM D5185m         238         258         85           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         0         <1	Calcium		ASTM D5185m		4	4	0
Zinc         ppm         ASTM D5185m         60         59         0           Sulfur         ppm         ASTM D5185m         238         258         85           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         0         <1         <1           Sodium         ppm         ASTM D5185m         >50         0         <1         <1           Potassium         ppm         ASTM D5185m         >20         0         <1         <1           VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Yellow Metal         scalar         *Visual         NONE         NONE         NONE         NONE           Precipitate         scalar         *Visual         NONE         NO	Phosphorus		ASTM D5185m		458	462	458
Sulfur         ppm         ASTM D5185m         238         258         85           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >50         0         <1			ASTM D5185m		60	59	0
Silicon         ppm         ASTM D5185m         >50         0         <1         <1           Sodium         ppm         ASTM D5185m         1         1         0           Potassium         ppm         ASTM D5185m         >20         0         <1         <1           VISUAL         method         limit/base         current         history1         history2           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         NORM         NORML         NORML         NORML           Appearance         scalar         *Visual         NORML         NORML         NORML         NORML           Odor         scalar         *Visual	Sulfur		ASTM D5185m		238		85
SodiumppmASTM D5185m110PotassiumppmASTM D5185m>200<1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 <b>0</b> <1 <1  VISUAL method limit/base current history1 history2  White Metal scalar *Visual NONE 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 NONE  Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE  Appearance scalar *Visual NORML NORML NORML NORML  Odor scalar *Visual NORML NORML NORML NORML  Emulsified Water scalar *Visual >0.2 NEG NEG	Silicon	ppm	ASTM D5185m	>50	0	<1	<1
White Metal scalar *Visual NONE 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 NONE Debris scalar *Visual NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NONE NONE NONE NONE Odor scalar *Visual NORML NORML NORML NORML MORML NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG NEG	Sodium	ppm	ASTM D5185m		1	1	0
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 Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG	Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEG	VISUAL		method	limit/base	current	history1	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 Odor scalar *Visual NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG		scalar					
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 >0.2 NEG NEG		scalar	*Visual	NONE			NONE
Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEG	·	scalar					
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEG		scalar	*Visual		NONE		NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEG	Debris	scalar	*Visual	NONE			NONE
Odor scalar *Visual NORML NORML NORML NORML NORML NORML Emulsified Water scalar *Visual >0.2 NEG NEG NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >0.2 NEG NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG NEG NEG	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
	Free Water	scalar	*Visual		NEG	NEG	NEG



# **OIL ANALYSIS REPORT**





# **GRAPHS** Ferrous Alloys Non-ferrous Metals 70 60 20 Viscosity @ 40°C (304) 45° G5





Certificate L2367

Laboratory Sample No. Lab Number Test Package : IND 1

: 05833337 Unique Number : 10446830

: WC0805909

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 28 Apr 2023 Received

Diagnosed : 01 May 2023 Diagnostician : Wes Davis

**LEPRINO FOODS-GREELEY** 

1302 1ST AVE GREELEY, CO US 80631-5909

F: (970)347-5190

Contact: ERIC KLINE

EKLINE@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)