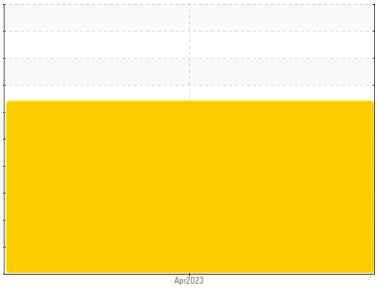
PROBLEM SUMMARY

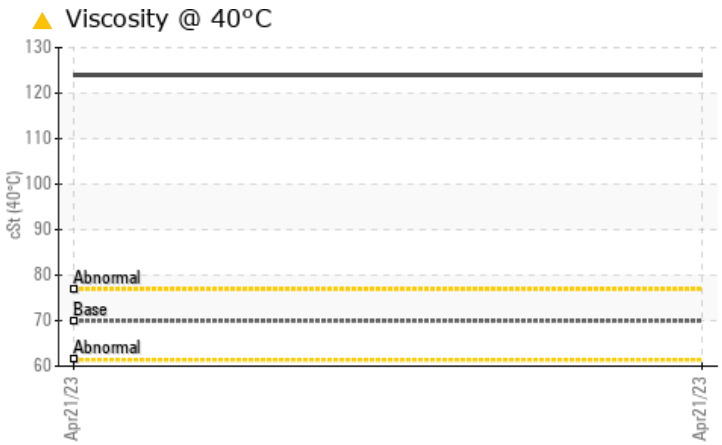
Area
WHEY [1718912]
Machine Id
RO06PP04BB01
Component
Bearing
Fluid
MOBIL SHC 626 (--- QTS)

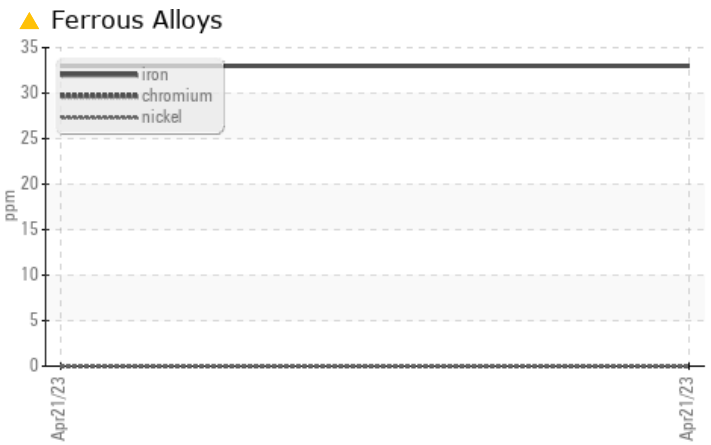
Sample Rating Trend



WATER

COMPONENT CONDITION SUMMARY





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. Resample at the next service interval to monitor. (Customer Sample Comment: RO06 PP04 BB01)

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	---	---
Iron	ppm	ASTM D5185m	>20	▲ **33**	---	---
Sulfur	ppm	ASTM D5185m		▲ **6740**	---	---
Free Water	scalar	*Visual		⬢ **5.0**	---	---
Visc @ 40°C	cSt	ASTM D445	69.9	▲ **124**	---	---

Customer Id: LEPGRE
Sample No.: WC0805897
Lab Number: 05833332
Test Package: IND 1

To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

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

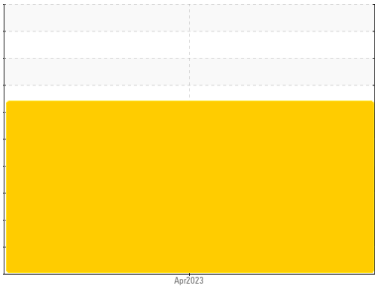
RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Water Drain-off	SKIPPED	May 05 2023	?	We advise that you follow the water drain-off procedure for this component.
Check Water Access	SKIPPED	May 05 2023	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Area
WHEY [1718912]
Machine Id
RO06PP04BB01
Component
Bearing
Fluid
MOBIL SHC 626 (--- QTS)

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. Resample at the next service interval to monitor. (Customer Sample Comment: RO06 PP04 BB01)

Wear
The iron level is abnormal.

Contamination
Free water present.

Fluid Condition
The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0805897**	---	---
Sample Date		Client Info		**21 Apr 2023**	---	---
Machine Age	mths	Client Info		**0**	---	---
Oil Age	mths	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**SEVERE**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	▲ **33**	---	---
Chromium	ppm	ASTM D5185m	>20	**0**	---	---
Nickel	ppm	ASTM D5185m	>20	**0**	---	---
Titanium	ppm	ASTM D5185m		**0**	---	---
Silver	ppm	ASTM D5185m		**0**	---	---
Aluminum	ppm	ASTM D5185m	>20	**0**	---	---
Lead	ppm	ASTM D5185m	>20	**0**	---	---
Copper	ppm	ASTM D5185m	>20	**2**	---	---
Tin	ppm	ASTM D5185m	>20	**0**	---	---
Vanadium	ppm	ASTM D5185m		**0**	---	---
Cadmium	ppm	ASTM D5185m		**0**	---	---

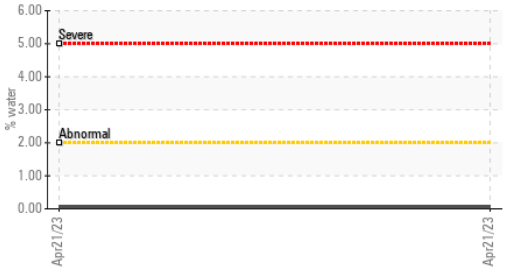
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	---	---
Barium	ppm	ASTM D5185m		**0**	---	---
Molybdenum	ppm	ASTM D5185m		**0**	---	---
Manganese	ppm	ASTM D5185m		**<1**	---	---
Magnesium	ppm	ASTM D5185m		**0**	---	---
Calcium	ppm	ASTM D5185m		**<1**	---	---
Phosphorus	ppm	ASTM D5185m		**396**	---	---
Zinc	ppm	ASTM D5185m		**49**	---	---
Sulfur	ppm	ASTM D5185m		▲ **6740**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**<1**	---	---
Sodium	ppm	ASTM D5185m		**3**	---	---
Potassium	ppm	ASTM D5185m	>20	**<1**	---	---
Water	%	ASTM D6304	>2	**0.058**	---	---
ppm Water	ppm	ASTM D6304		**580**	---	---

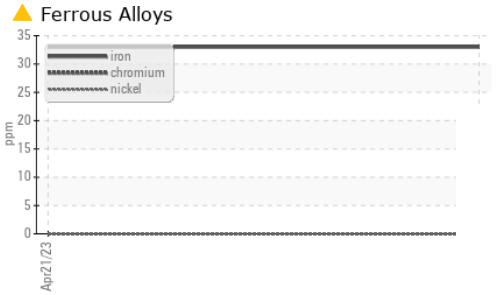
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	---	---
Appearance	scalar	*Visual	NORML	**NORML**	---	---
Odor	scalar	*Visual	NORML	**NORML**	---	---
Emulsified Water	scalar	*Visual	>2	**0.2%**	---	---
Free Water	scalar	*Visual		● **5.0**	---	---

OIL ANALYSIS REPORT

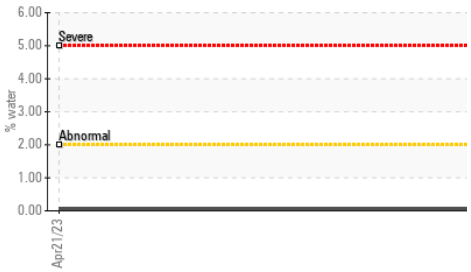
Water



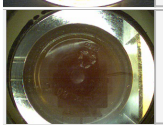
Ferrous Alloys



Water

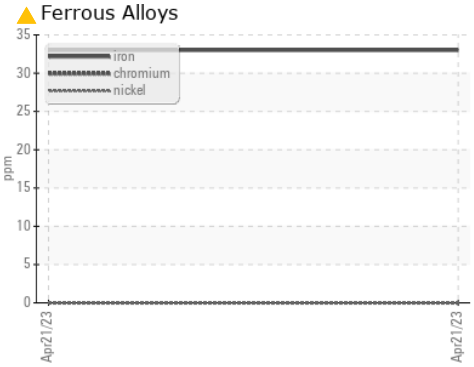


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	69.9	▲ **124**	---	---

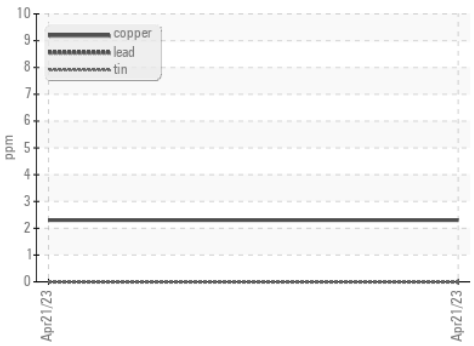
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

GRAPHS

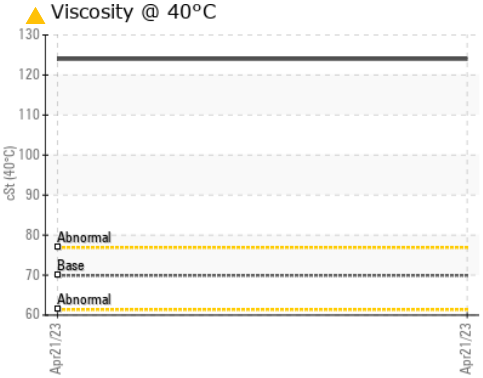
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0805897 **Received** : 28 Apr 2023
Lab Number : 05833332 **Diagnosed** : 02 May 2023
Unique Number : 10446825 **Diagnostician** : Doug Bogart
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)

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Report Id: LEPGRE [WUSCAR] 05833332 (Generated: 07/14/2023 14:27:31) Rev: 1

Submitted By: MICHAEL VILLASENOR