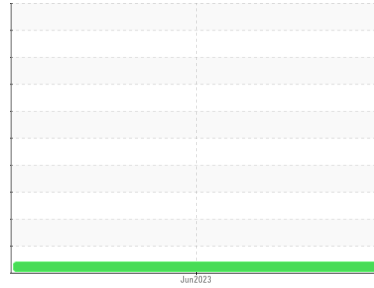




PROBLEM SUMMARY

Sample Rating Trend



VISCOSITY



Area
[603921062 SDR]
 Machine Id
BRINE DIS PUMP 3 (S/N 20049414)
 Component
Pump
 Fluid
ISO 68 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Visc @ 40°C	cSt	ASTM D445	68.0	▲ 81.3	---	---

Customer Id: MARSCHI
 Sample No.: WC0605523
 Lab Number: 05901415
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

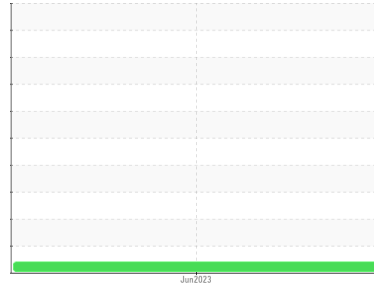


OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Area
[603921062 SDR]
 Machine Id
BRINE DIS PUMP 3 (S/N 20049414)
 Component
Pump
 Fluid
ISO 68 (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0605523	---	---
Sample Date	Client Info	22 Jun 2023	---	---
Machine Age	mls Client Info	0	---	---
Oil Age	mls Client Info	0	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>90	0	---	---
Chromium ppm ASTM D5185m	>5	0	---	---
Nickel ppm ASTM D5185m	>5	0	---	---
Titanium ppm ASTM D5185m	>3	0	---	---
Silver ppm ASTM D5185m	>3	0	---	---
Aluminum ppm ASTM D5185m	>7	1	---	---
Lead ppm ASTM D5185m	>12	<1	---	---
Copper ppm ASTM D5185m	>30	<1	---	---
Tin ppm ASTM D5185m	>9	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		0	---	---
Magnesium ppm ASTM D5185m		<1	---	---
Calcium ppm ASTM D5185m		0	---	---
Phosphorus ppm ASTM D5185m		71	---	---
Zinc ppm ASTM D5185m		2	---	---
Sulfur ppm ASTM D5185m		1179	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>60	<1	---	---
Sodium ppm ASTM D5185m		0	---	---
Potassium ppm ASTM D5185m	>20	1	---	---

FLUID DEGRADATION

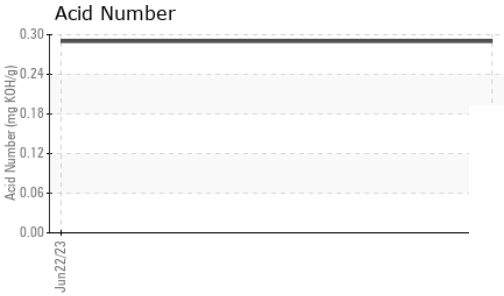
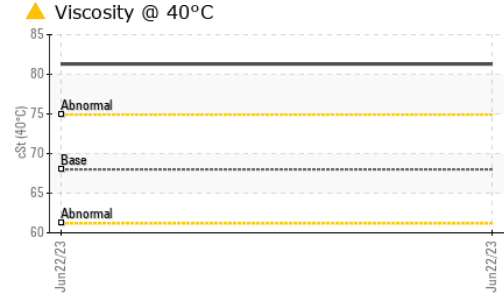
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		0.29	---	---

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		NEG	---	---
Free Water scalar *Visual		NEG	---	---

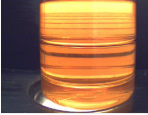



OIL ANALYSIS REPORT

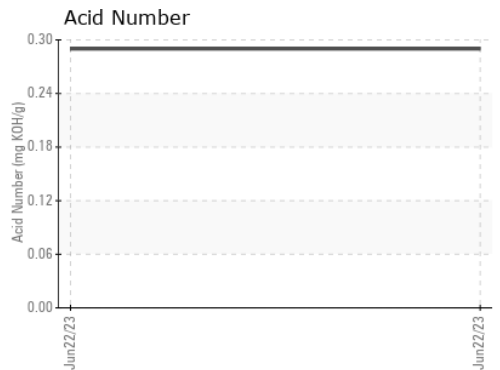
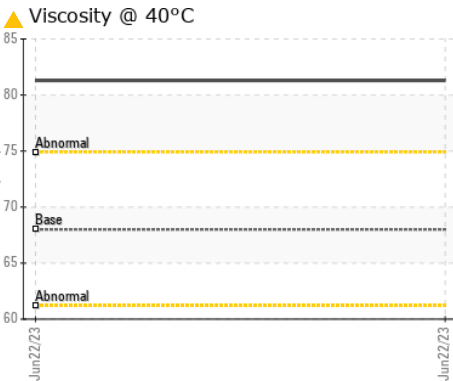
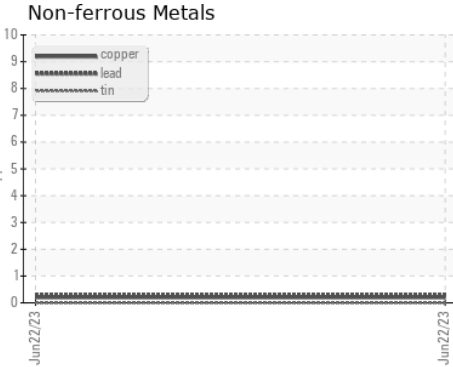
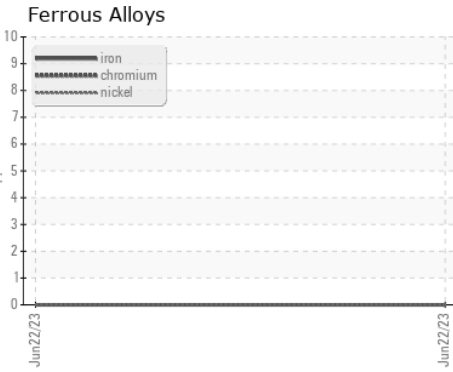


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	68.0	▲ 81.3	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0605523 **Received** : 18 Jul 2023
Lab Number : 05901415 **Diagnosed** : 20 Jul 2023
Unique Number : 10562771 **Diagnostician** : Don Baldrige
Test Package : IND 2

MARS CHOCOLATE
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 CHICAGO, IL
 US 60707
 Contact: TONY FIORE
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 T: (773)745-2279
 F:

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)