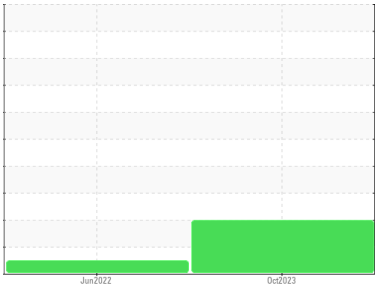
PROBLEM SUMMARY

Sample Rating Trend

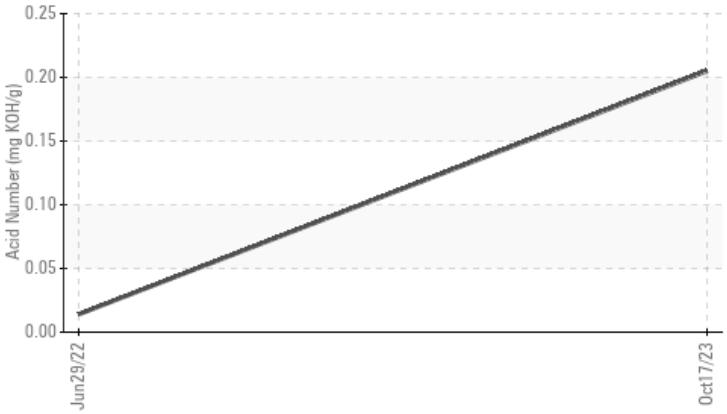


DEGRADATION

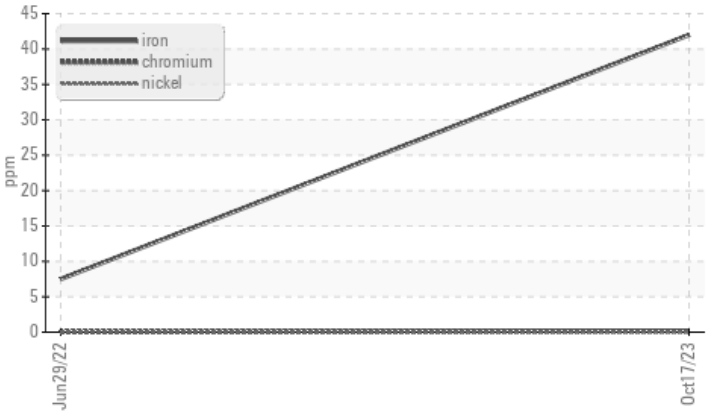
Area
MISSION BELL [9266]
Machine Id
MYCOM COMP 18 - MISSION BELL (S/N 632761)
Component
Refrigeration Compressor
Fluid
NOT GIVEN (5 GAL)

COMPONENT CONDITION SUMMARY

Acid Number



Ferrous Alloys



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	NORMAL	---
Iron	ppm	ASTM D5185m	>8	▲ **42**	8	---
Acid Number (AN)	mg KOH/g	ASTM D974		▲ **0.205**	0.014	---

Customer Id: SCHLOD
Sample No.: WC0851609
Lab Number: 05995673
Test Package: PLANT

To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@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
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

29 Jun 2022 Diag: Doug Bogart

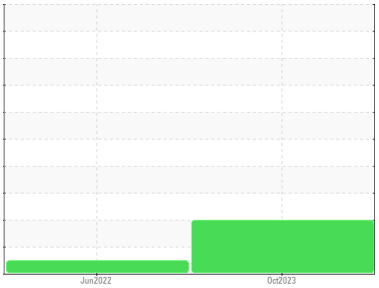
NORMAL

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION

Area
MISSION BELL [9266]
Machine Id
MYCOM COMP 18 - MISSION BELL (S/N 632761)
Component
Refrigeration Compressor
Fluid
NOT GIVEN (5 GAL)

DIAGNOSIS

Recommendation
We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear
The iron level is abnormal. All other component wear rates are normal.

Contamination
There is no indication of any contamination in the oil.

Fluid Condition
The AN level is at the top-end of the recommended limit. The oil is no longer serviceable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0851609**	WC0653511	---
Sample Date		Client Info		**17 Oct 2023**	29 Jun 2022	---
Machine Age	hrs	Client Info		**0**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**N/A**	N/A	---
Sample Status				**ABNORMAL**	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	▲ **42**	8	---
Chromium	ppm	ASTM D5185m	>2	**<1**	0	---
Nickel	ppm	ASTM D5185m		**0**	0	---
Titanium	ppm	ASTM D5185m		**0**	0	---
Silver	ppm	ASTM D5185m	>2	**0**	0	---
Aluminum	ppm	ASTM D5185m	>3	**<1**	<1	---
Lead	ppm	ASTM D5185m	>2	**0**	<1	---
Copper	ppm	ASTM D5185m	>8	**3**	<1	---
Tin	ppm	ASTM D5185m	>4	**3**	<1	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
Cadmium	ppm	ASTM D5185m		**0**	0	---

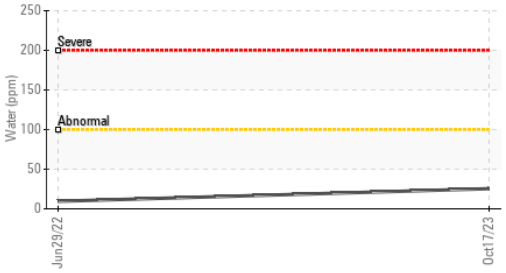
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	0	---
Barium	ppm	ASTM D5185m		**0**	2	---
Molybdenum	ppm	ASTM D5185m		**0**	0	---
Manganese	ppm	ASTM D5185m		**<1**	0	---
Magnesium	ppm	ASTM D5185m		**0**	<1	---
Calcium	ppm	ASTM D5185m		**18**	6	---
Phosphorus	ppm	ASTM D5185m		**0**	9	---
Zinc	ppm	ASTM D5185m		**2**	2	---
Sulfur	ppm	ASTM D5185m		**0**	278	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**6**	2	---
Sodium	ppm	ASTM D5185m		**1**	0	---
Potassium	ppm	ASTM D5185m	>20	**<1**	<1	---
Water	%	ASTM D6304	>0.01	**0.003**	0.001	---
ppm Water	ppm	ASTM D6304	>100	**25.4**	9.5	---

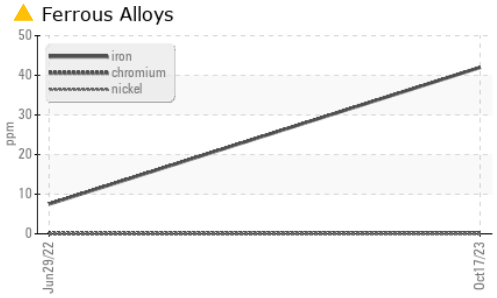
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974		▲ **0.205**	0.014	---

OIL ANALYSIS REPORT

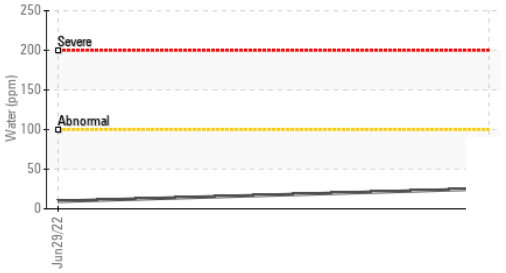
Water (KF)



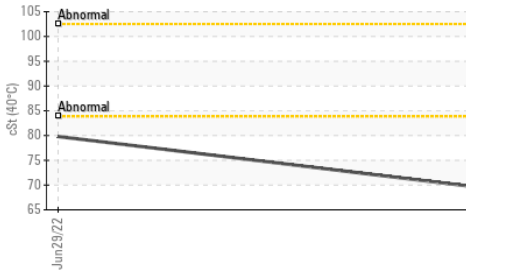
Ferrous Alloys



Water (KF)



Viscosity @ 40°C



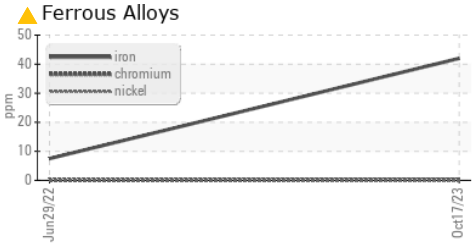
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**LIGHT**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.01	**NEG**	NEG	---
Free Water	scalar	*Visual		**NEG**	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**69.3**	79.8	---

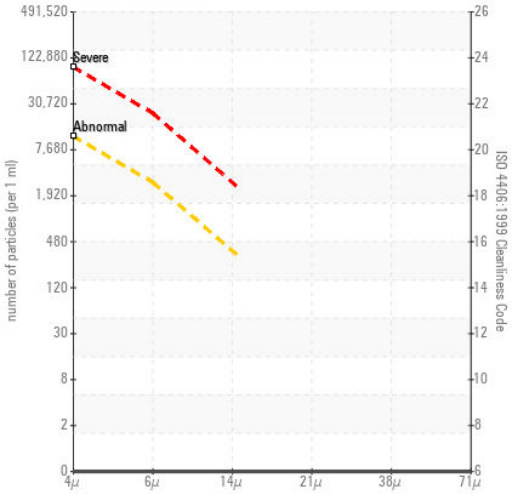
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

GRAPHS

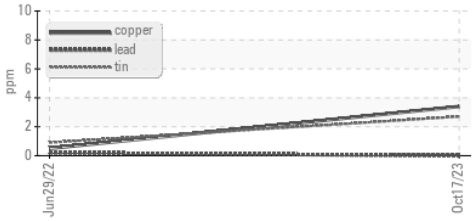
Ferrous Alloys



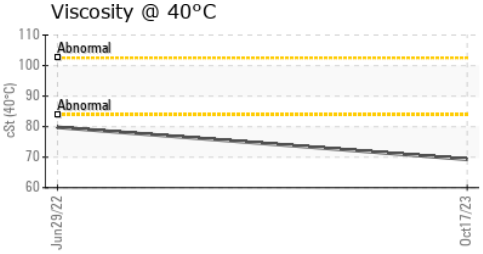
Particle Count



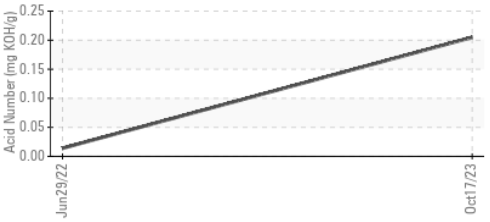
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0851609
Lab Number : 05995673
Unique Number : 10724033
Test Package : PLANT

Received : 01 Nov 2023
Diagnosed : 03 Nov 2023
Diagnostician : Jonathan Hester

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)

SCHRADER MECHANICAL
1015 BLACK DIAMOND WAY
LODI PROVINCE, CA
US 95240
Contact: Schrader Mechanical
amanda.h@smiwest.com
T: (209)369-6888
F: x: