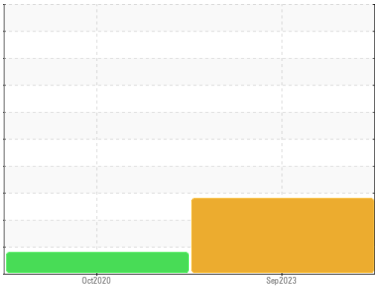
PROBLEM SUMMARY

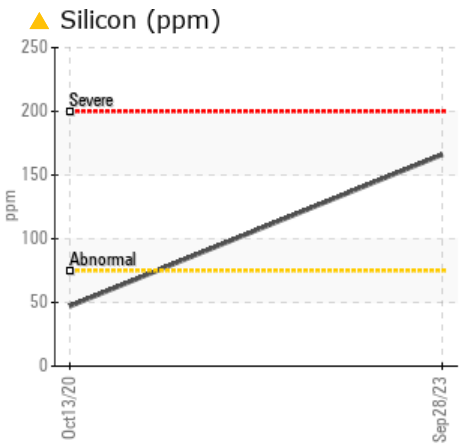
Sample Rating Trend

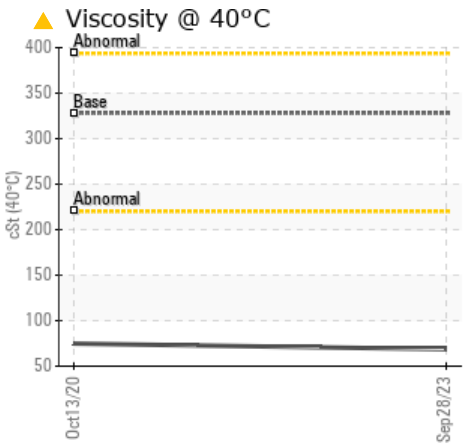


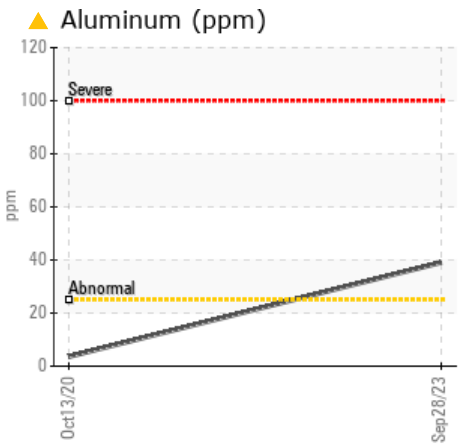
DIRT

Area
KANSAS/44/EG - OTHER SERVICE
Machine Id
57.03W [KANSAS^44^EG - OTHER SERVICE]
Component
Left Final Drive
Fluid
MOBIL MOBILUBE HD 85W140 (--- GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ABNORMAL	---
Aluminum	ppm	ASTM D5185m	>25	▲ **39**	4	---
Silicon	ppm	ASTM D5185m	>75	▲ **166**	47	---
Visc @ 40°C	cSt	ASTM D445	328	▲ **68.6**	▲ 74.8	---

Customer Id: SHEWIC
Sample No.: WC0673516
Lab Number: 05969243
Test Package: CONST

To manage this report scan the QR code

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

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

13 Oct 2020 Diag: Don Baldridge

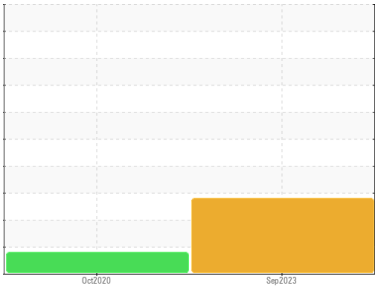
VISCOSITY

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. Confirm oil type.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



DIRT

Area
KANSAS/44/EG - OTHER SERVICE
Machine Id
57.03W [KANSAS^44^EG - OTHER SERVICE]
Component
Left Final Drive
Fluid
MOBIL MOBILUBE HD 85W140 (--- GAL)

DIAGNOSIS

Recommendation
We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition
The oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0673516**	WC0511952	---
Sample Date		Client Info		**28 Sep 2023**	13 Oct 2020	---
Machine Age	hrs	Client Info		**1190**	710	---
Oil Age	hrs	Client Info		**480**	0	---
Oil Changed		Client Info		**Not Changd**	Changed	---
Sample Status				**ABNORMAL**	ABNORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	**314**	186	---
Chromium	ppm	ASTM D5185m	>10	**4**	2	---
Nickel	ppm	ASTM D5185m	>10	**2**	1	---
Titanium	ppm	ASTM D5185m		**2**	<1	---
Silver	ppm	ASTM D5185m		**0**	<1	---
Aluminum	ppm	ASTM D5185m	>25	▲ **39**	4	---
Lead	ppm	ASTM D5185m	>25	**<1**	1	---
Copper	ppm	ASTM D5185m	>50	**7**	48	---
Tin	ppm	ASTM D5185m	>10	**0**	<1	---
Antimony	ppm	ASTM D5185m	>5	**---**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
Cadmium	ppm	ASTM D5185m		**1**	2	---

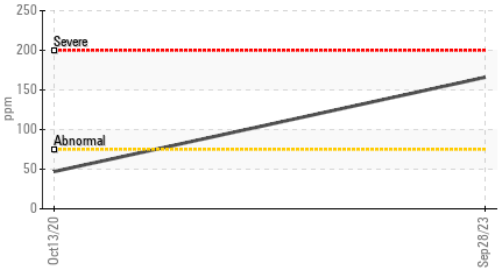
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**71**	18	---
Barium	ppm	ASTM D5185m		**0**	0	---
Molybdenum	ppm	ASTM D5185m		**1**	<1	---
Manganese	ppm	ASTM D5185m		**3**	1	---
Magnesium	ppm	ASTM D5185m		**18**	10	---
Calcium	ppm	ASTM D5185m		**2058**	614	---
Phosphorus	ppm	ASTM D5185m		**911**	478	---
Zinc	ppm	ASTM D5185m		**989**	513	---
Sulfur	ppm	ASTM D5185m		**6629**	2941	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	▲ **166**	47	---
Sodium	ppm	ASTM D5185m		**6**	1	---
Potassium	ppm	ASTM D5185m	>20	**10**	2	---

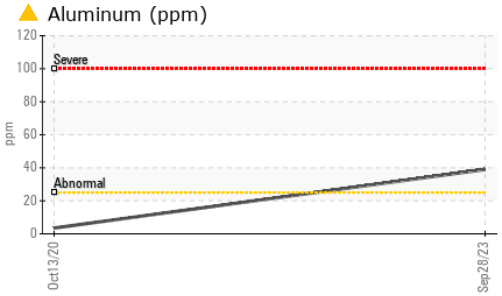
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	▲ MODER	---
Sand/Dirt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

OIL ANALYSIS REPORT

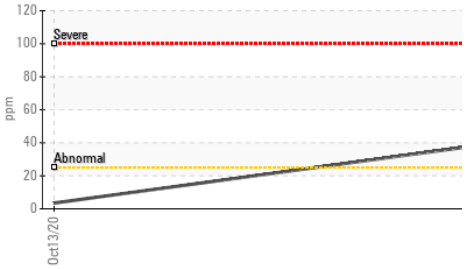
Silicon (ppm)



Aluminum (ppm)



Aluminum (ppm)

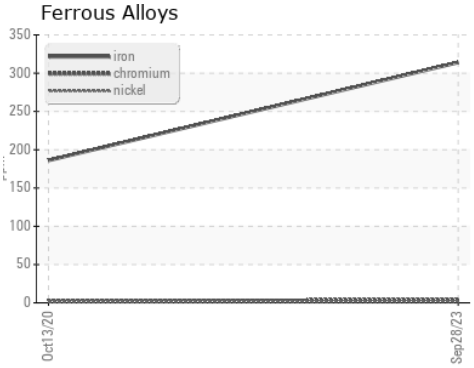


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	328	▲ **68.6**	▲ 74.8	---

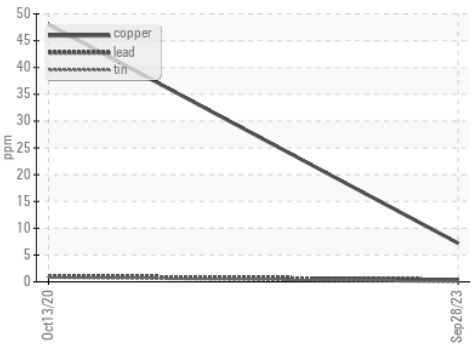
SAMPLE IMAGES				current	history1	history2
Color				*no image*	*no image*	*no image*
Bottom				*no image*	*no image*	*no image*

GRAPHS

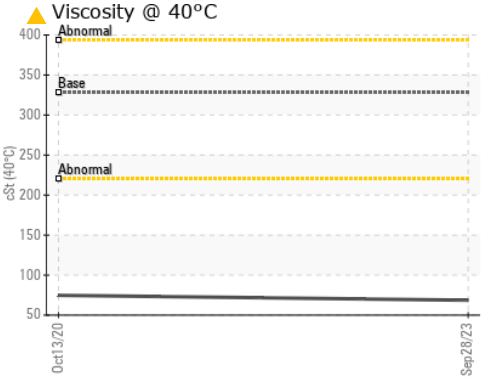
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0673516
Lab Number : 05969243
Unique Number : 10675794
Test Package : CONST

Received : 04 Oct 2023
Diagnosed : 06 Oct 2023
Diagnostician : Don Baldridge

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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WICHITA, KS
US 67213
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Report Id: SHEWIC [WUSCAR] 05969243 (Generated: 10/20/2023 12:07:47) Rev: 1

Submitted By: JAMES MOORE