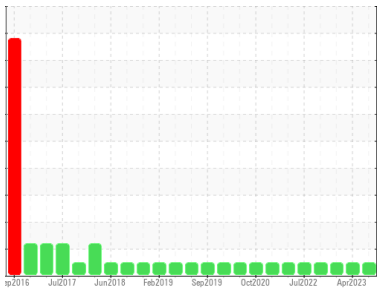
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Area
OKLAHOMA/115/EG - LOADER
Machine Id
48.83L [OKLAHOMA^115^EG - LOADER]
Component
Rear Differential
Fluid
MOBIL MOBILGEAR 629 (--- 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 condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0848990**	WC0738505	WC0792510
Sample Date		Client Info		**20 Sep 2023**	17 Apr 2023	28 Feb 2023
Machine Age	hrs	Client Info		**19800**	10346	10099
Oil Age	hrs	Client Info		**18858**	10346	1000
Oil Changed		Client Info		**Not Changd**	N/A	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	**105**	29	23
Chromium	ppm	ASTM D5185m	>3	**0**	<1	0
Nickel	ppm	ASTM D5185m	>3	**0**	0	0
Titanium	ppm	ASTM D5185m	>2	**0**	0	0
Silver	ppm	ASTM D5185m	>2	**0**	0	0
Aluminum	ppm	ASTM D5185m	>30	**6**	0	1
Lead	ppm	ASTM D5185m	>13	**0**	0	0
Copper	ppm	ASTM D5185m	>103	**14**	28	22
Tin	ppm	ASTM D5185m	>5	**<1**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	0	1
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	0	0
Manganese	ppm	ASTM D5185m		**<1**	<1	<1
Magnesium	ppm	ASTM D5185m		**0**	3	1
Calcium	ppm	ASTM D5185m		**31**	289	182
Phosphorus	ppm	ASTM D5185m		**502**	514	515
Zinc	ppm	ASTM D5185m		**8**	141	80
Sulfur	ppm	ASTM D5185m		**1370**	1946	1937

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	**24**	20	18
Sodium	ppm	ASTM D5185m		**0**	0	<1
Potassium	ppm	ASTM D5185m	>20	**0**	<1	<1

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	MODER	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	**LIGHT**	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	>.2	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	**150**	154	151

Report Id: SHEWIC [WUSCAR] 05962514 (Generated: 10/03/2023 13:04:24) Rev: 1

Submitted By: BRENDAN JACKSON

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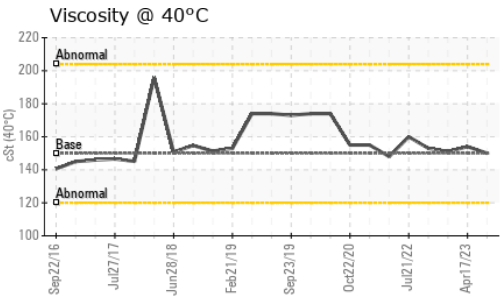
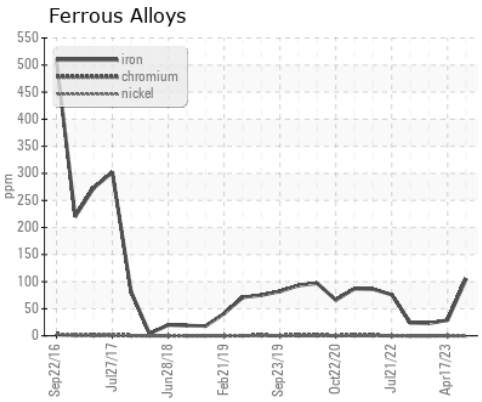
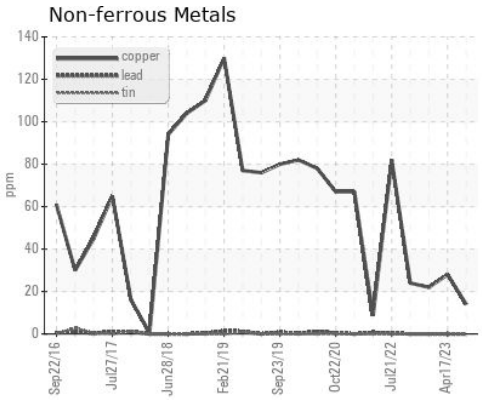
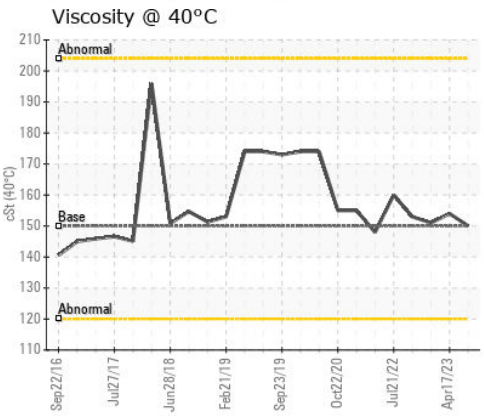


SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS







Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0848990
Lab Number : 05962514
Unique Number : 10669065
Test Package : CONST

Received : 27 Sep 2023
Diagnosed : 28 Sep 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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