MOB I

Dura-Check Fluid Analysis

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
314
Component
Front Differential
Fluid
GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

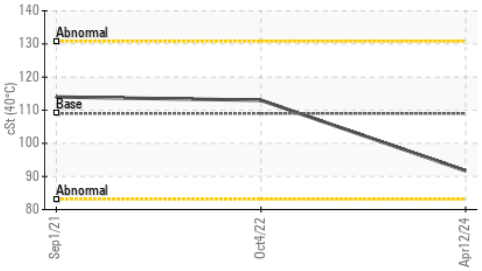
There is no indication of any contamination in the oil.

FLUID CONDITION

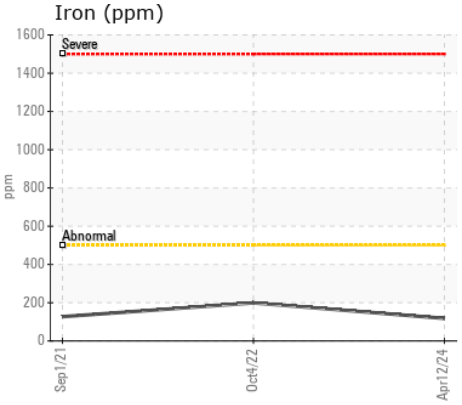
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**DC0036183**	DC0024356	DC0013946
Sample Date		Client Info		**12 Apr 2024**	04 Oct 2022	01 Sep 2021
Machine Age	mls	Client Info		**198594**	160953	116026
Oil Age	mls	Client Info		**30000**	0	0
Filter Age	mls	Client Info		**0**	0	0
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**N/A**	N/A	Not Changd
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>500	**118**	199	127
Chromium	ppm	ASTM D5185m	>10	**<1**	2	<1
Nickel	ppm	ASTM D5185m	>10	**<1**	0	1
Titanium	ppm	ASTM D5185m		**<1**	<1	0
Silver	ppm	ASTM D5185m		**0**	<1	0
Aluminum	ppm	ASTM D5185m	>25	**2**	1	<1
Lead	ppm	ASTM D5185m	>25	**<1**	0	4
Copper	ppm	ASTM D5185m	>100	**2**	4	5
Tin	ppm	ASTM D5185m	>10	**<1**	<1	0
Vanadium	ppm	ASTM D5185m		**<1**	1	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	**22**	31	22
Potassium	ppm	ASTM D5185m	>20	**1**	<1	8
Water		WC Method	>.2	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	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
Sodium	ppm	ASTM D5185m		**2**	5	2
Boron	ppm	ASTM D5185m	400	**254**	261	280
Barium	ppm	ASTM D5185m	200	**0**	0	0
Molybdenum	ppm	ASTM D5185m	12	**<1**	1	2
Manganese	ppm	ASTM D5185m		**4**	8	10
Magnesium	ppm	ASTM D5185m	12	**6**	11	2
Calcium	ppm	ASTM D5185m	150	**46**	23	17
Phosphorus	ppm	ASTM D5185m	1650	**1877**	1653	1317
Zinc	ppm	ASTM D5185m	125	**21**	11	8
Sulfur	ppm	ASTM D5185m	22500	**23831**	25056	20958
Visc @ 40°C	cSt	ASTM D445	109	**91.7**	113	114

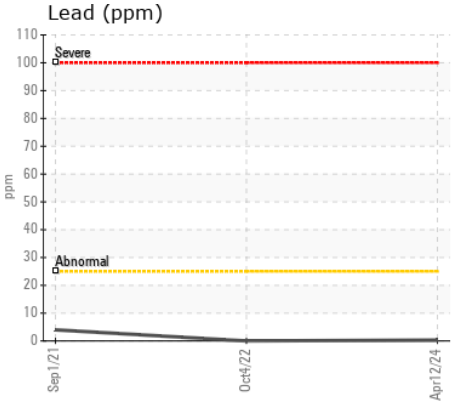
Viscosity @ 40°C



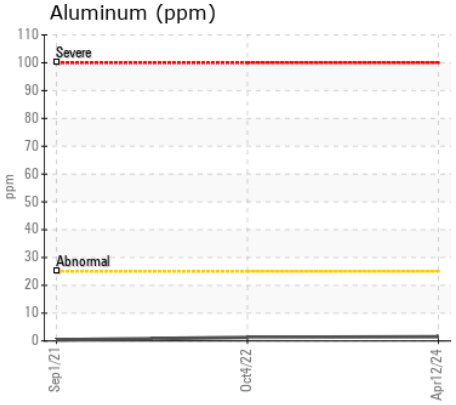
Iron (ppm)



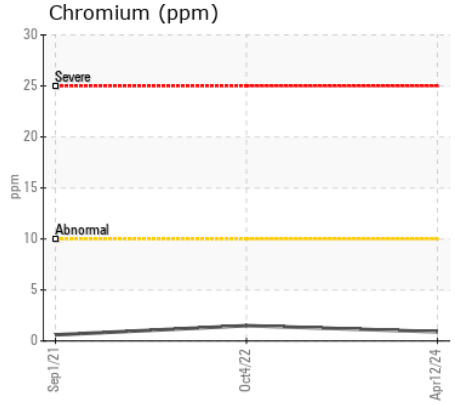
Lead (ppm)



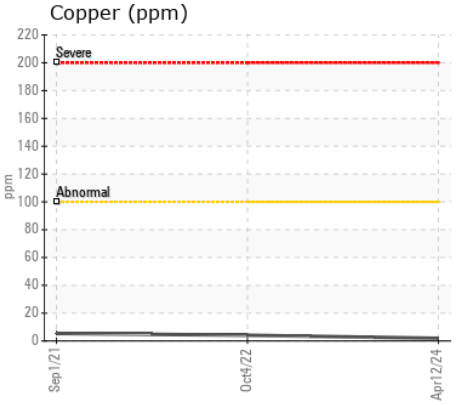
Aluminum (ppm)



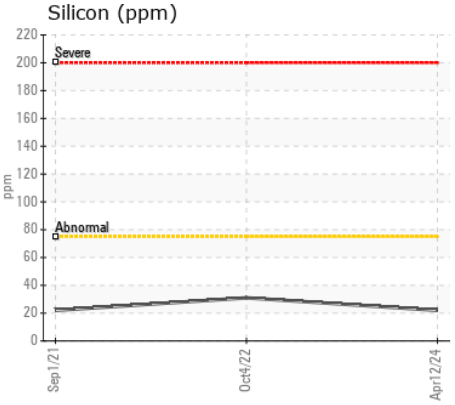
Chromium (ppm)



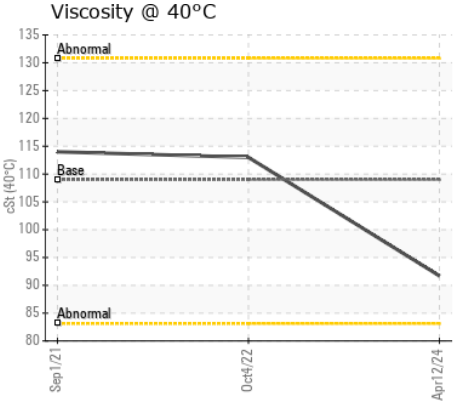
Copper (ppm)



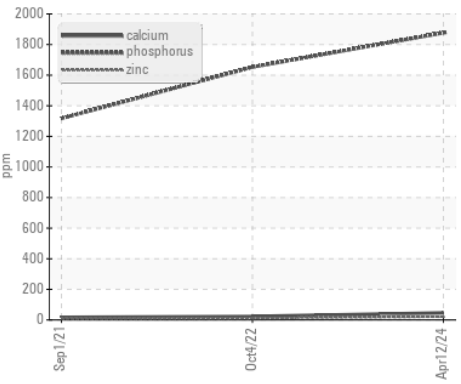
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0036183
Lab Number : 06158579
Unique Number : 10994002
Test Package : MOB 1

Received : 23 Apr 2024
Tested : 25 Apr 2024
Diagnosed : 25 Apr 2024 - Wes Davis

FRANCIS O DAY
14900 SOUTHLAWN LN
ROCKVILLE, MD
US 20850
Contact: JAMIE FORESTER

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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