MOB I

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[24488]
Machine Id
22-115
Component
Transmission (Auto)
Fluid
CASTROL TRANSYND (--- GAL)

RECOMMENDATION

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

WEAR

Tin ppm levels are abnormal. Bearing wear is indicated.

CONTAMINATION

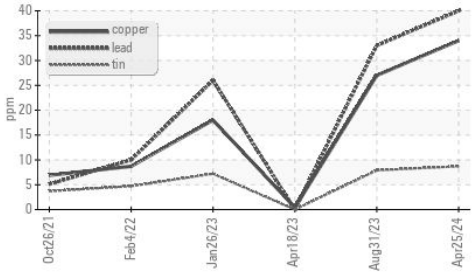
There is no indication of any contamination in the fluid.

FLUID CONDITION

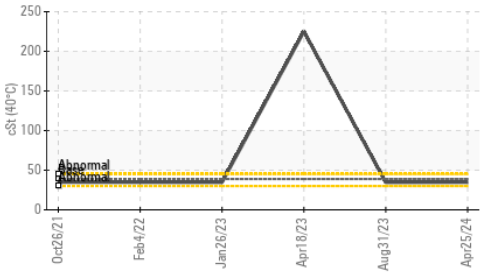
The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0895448**	WC0842892	WC0794708
Sample Date		Client Info		**25 Apr 2024**	31 Aug 2023	18 Apr 2023
Machine Age	kms	Client Info		**102396**	79378	3837
Oil Age	kms	Client Info		**0**	0	0
Filter Age	kms	Client Info		**0**	0	0
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Filter Changed		Client Info		**Not Changd**	Not Changd	Changed
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185(m)	>230	**96**	82	3
Chromium	ppm	ASTM D5185(m)	>2	**0**	<1	0
Nickel	ppm	ASTM D5185(m)	>5	**<1**	<1	0
Titanium	ppm	ASTM D5185(m)	>2	**0**	0	0
Silver	ppm	ASTM D5185(m)	>5	**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>65	**41**	36	12
Lead	ppm	ASTM D5185(m)	>55	**40**	33	0
Copper	ppm	ASTM D5185(m)	>85	**34**	27	<1
Tin	ppm	ASTM D5185(m)	>5	▲ **9**	▲ 8	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
White Metal	scalar	Visual*	NONE	**NONE**	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>20	**5**	5	17
Potassium	ppm	ASTM D5185(m)	>20	**6**	4	<1
Water		WC Method	>0.1	**NEG**	NEG	NEG
Silt	scalar	Visual*	NONE	**NONE**	VLITE	VLITE
Debris	scalar	Visual*	NONE	**VLITE**	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	**VLITE**	NONE	NONE
Appearance	scalar	Visual*	NORML	**NORML**	NORML	▲ LAYRD
Odor	scalar	Visual*	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	**NEG**	NEG	▲ .2%
Sodium	ppm	ASTM D5185(m)		**6**	6	<1
Boron	ppm	ASTM D5185(m)	150	**79**	83	<1
Barium	ppm	ASTM D5185(m)	0	**<1**	<1	0
Molybdenum	ppm	ASTM D5185(m)	0	**<1**	1	0
Manganese	ppm	ASTM D5185(m)		**2**	2	0
Magnesium	ppm	ASTM D5185(m)	0	**1**	1	<1
Calcium	ppm	ASTM D5185(m)	40	**65**	64	0
Phosphorus	ppm	ASTM D5185(m)	320	**257**	273	361
Zinc	ppm	ASTM D5185(m)	5	**9**	11	15
Sulfur	ppm	ASTM D5185(m)	1050	**927**	953	436
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	**34.8**	34.6	▲ 225

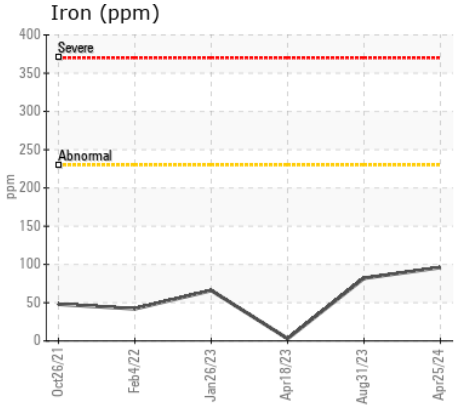
Non-ferrous Metals



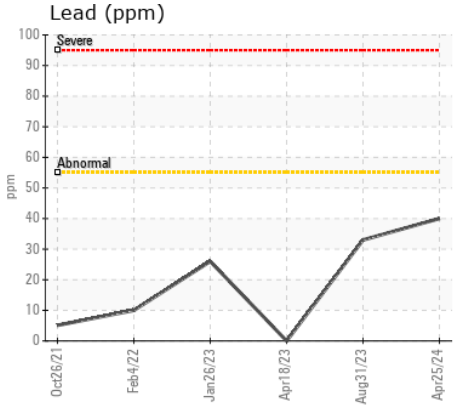
Viscosity @ 40°C



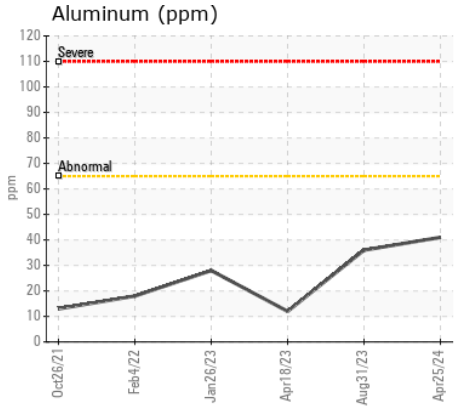
Iron (ppm)



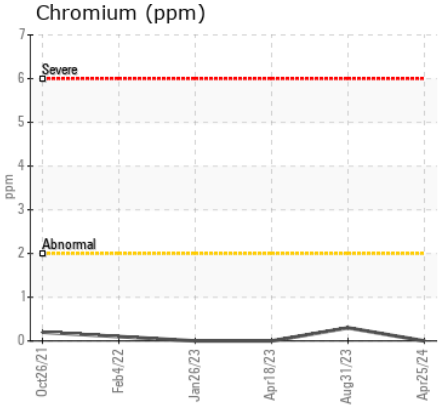
Lead (ppm)



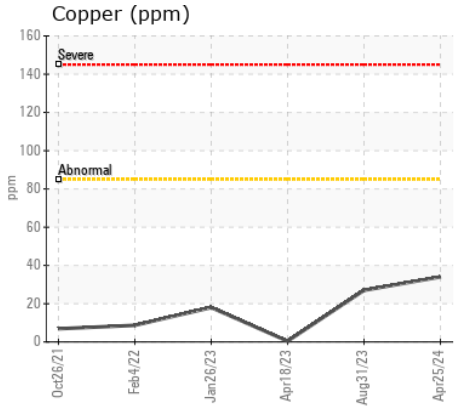
Aluminum (ppm)



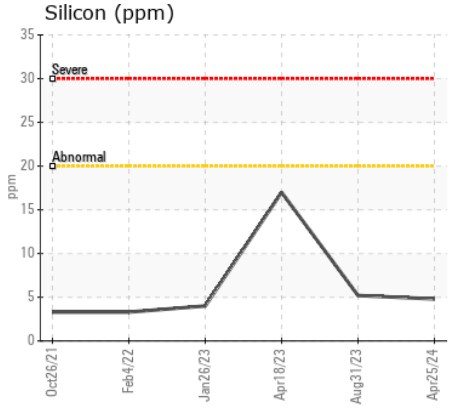
Chromium (ppm)



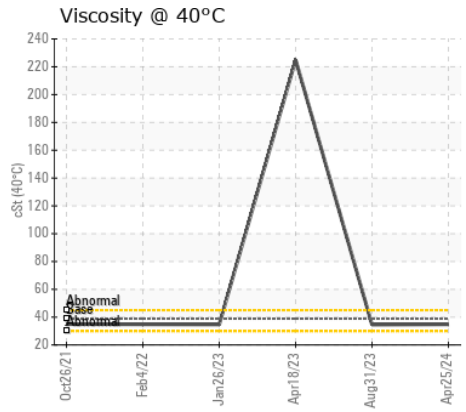
Copper (ppm)



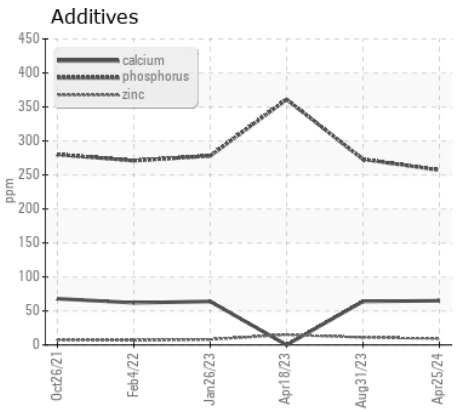
Silicon (ppm)



Viscosity @ 40°C



Additives



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WC0895448	**Received**	: 30 Apr 2024
Lab Number	: 02632354	**Tested**	: 30 Apr 2024
Unique Number	: 5773507	**Diagnosed**	: 30 Apr 2024 - Kevin Marson
Test Package	: MOB 1		

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

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