MOB I

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Area
[23296]
Machine Id
15-39
Component
Transmission (Manual)
Fluid
CASTROL TRANSYND (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

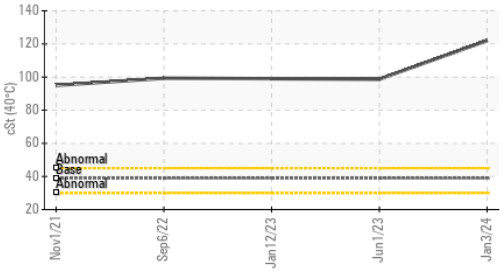
There is no indication of any contamination in the fluid.

FLUID CONDITION

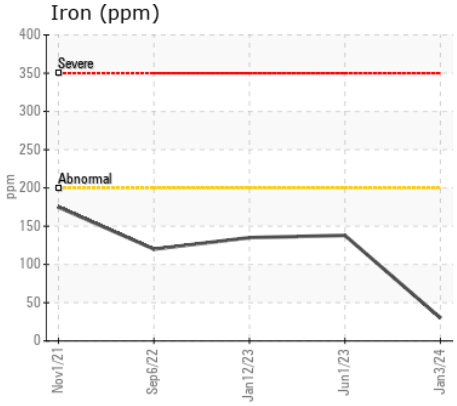
Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0876506**	WC0818047	WC0715432
Sample Date		Client Info		**03 Jan 2024**	01 Jun 2023	12 Jan 2023
Machine Age	kms	Client Info		**265084**	255779	247738
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**	Changed	Not Changd
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185(m)	>200	**30**	138	135
Chromium	ppm	ASTM D5185(m)	>5	**<1**	2	2
Nickel	ppm	ASTM D5185(m)	>5	**<1**	<1	<1
Titanium	ppm	ASTM D5185(m)		**0**	<1	<1
Silver	ppm	ASTM D5185(m)	>7	**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>25	**2**	5	5
Lead	ppm	ASTM D5185(m)	>45	**2**	11	11
Copper	ppm	ASTM D5185(m)	>225	**3**	19	19
Tin	ppm	ASTM D5185(m)	>10	**0**	<1	<1
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
White Metal	scalar	Visual*	NONE	**LIGHT**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>125	**3**	7	6
Potassium	ppm	ASTM D5185(m)	>20	**2**	2	2
Water		WC Method	>0.1	**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*	>0.1	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**6**	32	33
Boron	ppm	ASTM D5185(m)	150	**250**	198	212
Barium	ppm	ASTM D5185(m)	0	**<1**	6	6
Molybdenum	ppm	ASTM D5185(m)	0	**0**	<1	<1
Manganese	ppm	ASTM D5185(m)		**<1**	5	5
Magnesium	ppm	ASTM D5185(m)	0	**2**	5	5
Calcium	ppm	ASTM D5185(m)	40	**50**	55	57
Phosphorus	ppm	ASTM D5185(m)	320	**1134**	1122	1149
Zinc	ppm	ASTM D5185(m)	5	**10**	38	40
Sulfur	ppm	ASTM D5185(m)	1050	**1092**	4984	5196
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	▲ **122**	▲ 98.7	▲ 99.0

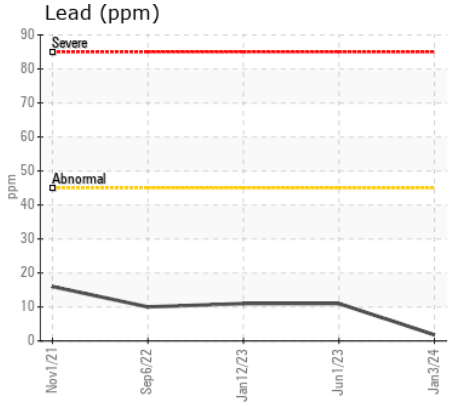
Viscosity @ 40°C



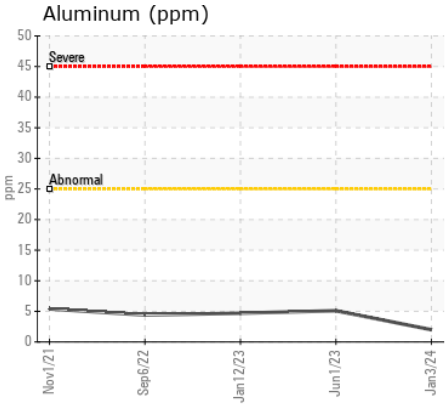
Iron (ppm)



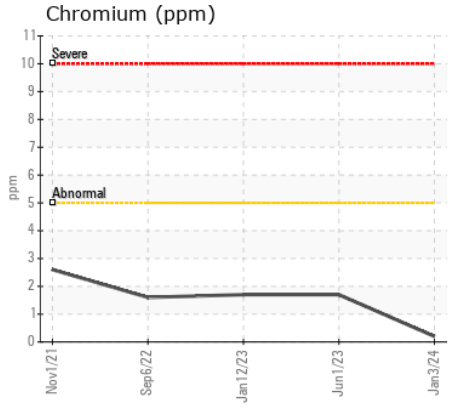
Lead (ppm)



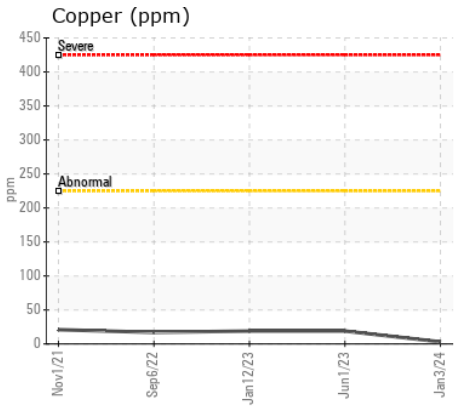
Aluminum (ppm)



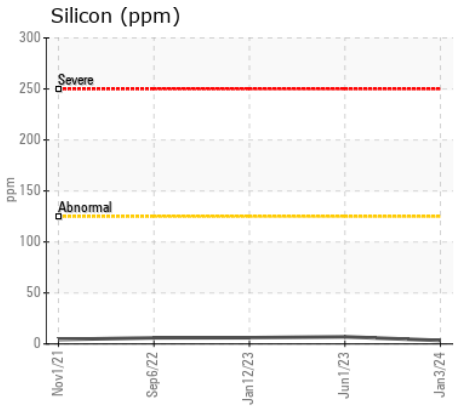
Chromium (ppm)



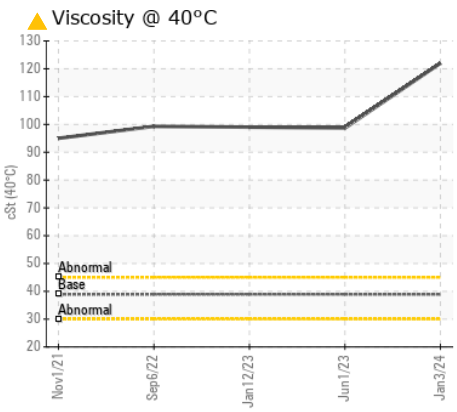
Copper (ppm)



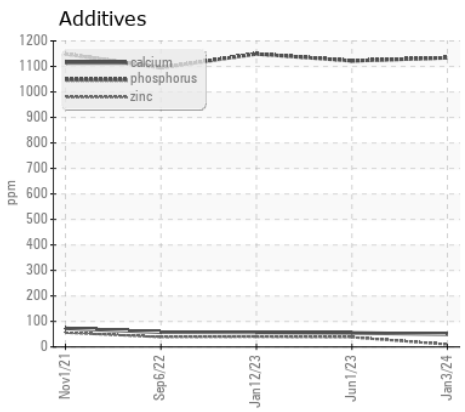
Silicon (ppm)



Viscosity @ 40°C



Additives



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WC0876506	**Recieved**	: 08 Jan 2024
Lab Number	: 02607163	**Diagnosed**	: 09 Jan 2024
Unique Number	: 5708249	**Diagnostician**	: 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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