



# OIL ANALYSIS REPORT

WEAR	<b>SEVERE</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**MX3903**  
Component  
**Transmission (Auto)**  
Fluid  
**DEXRON III (--- LTR)**

## 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. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DEXRON III. Please confirm.

## WEAR

Iron ppm levels are severe. Chromium ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

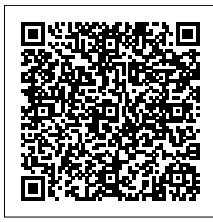
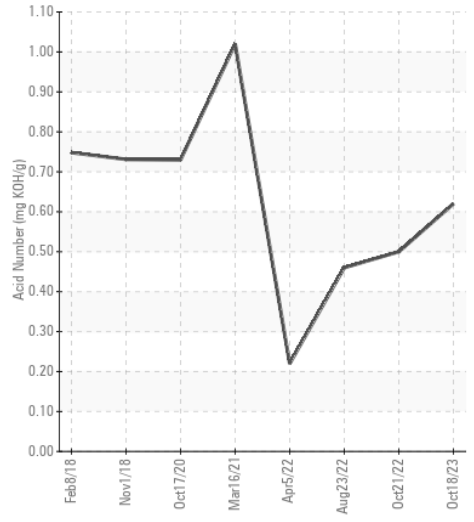
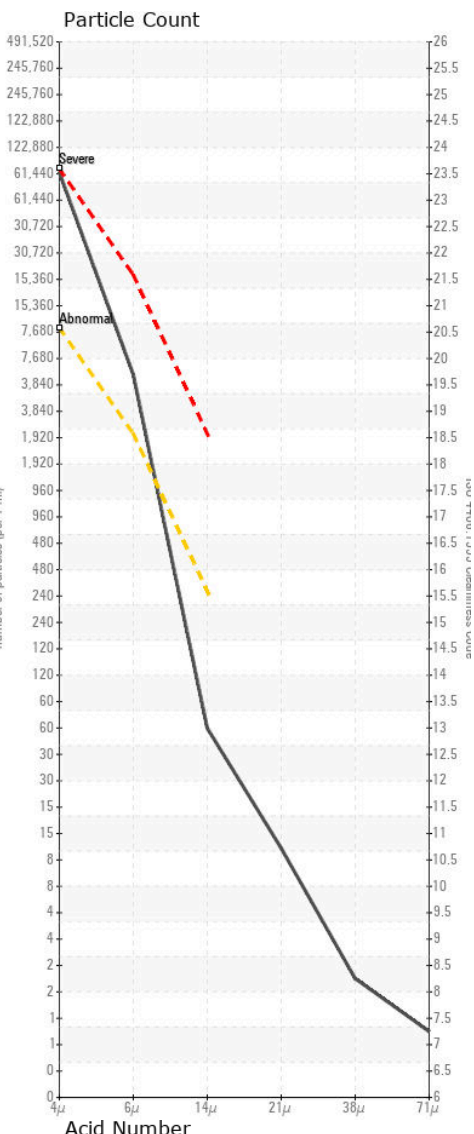
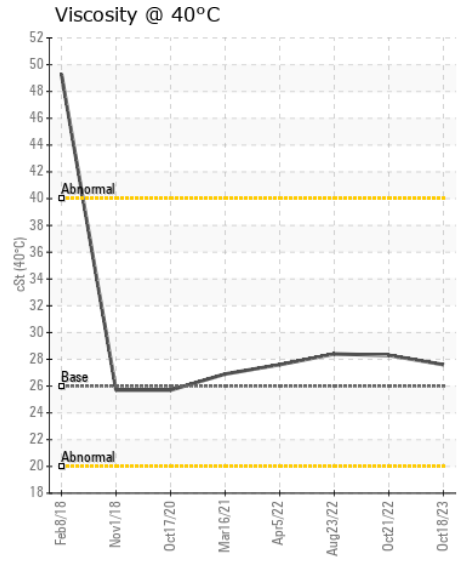
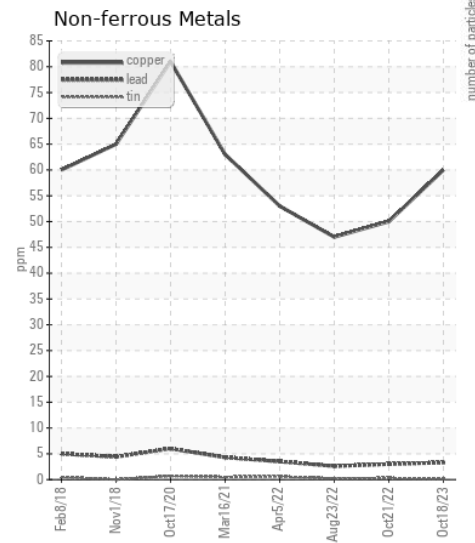
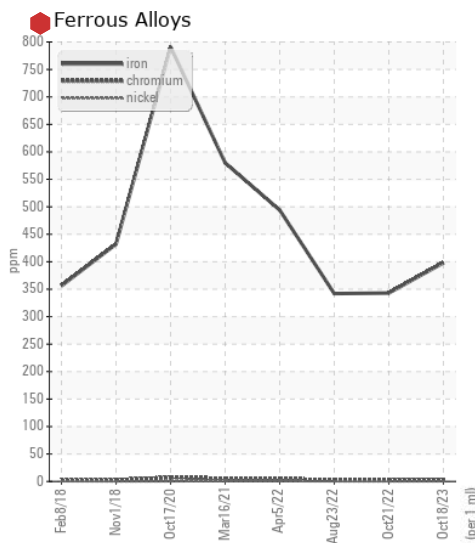
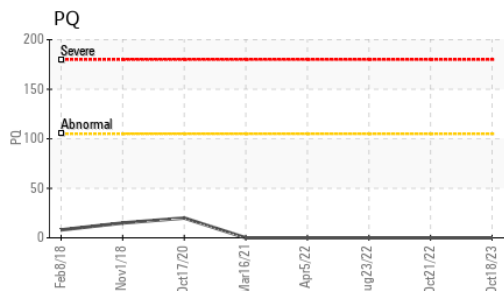
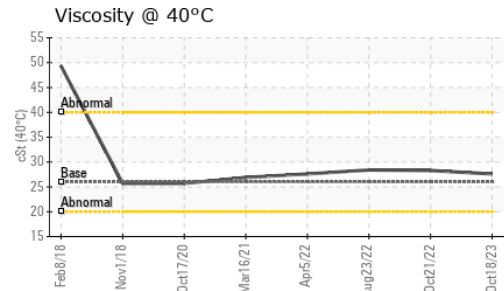
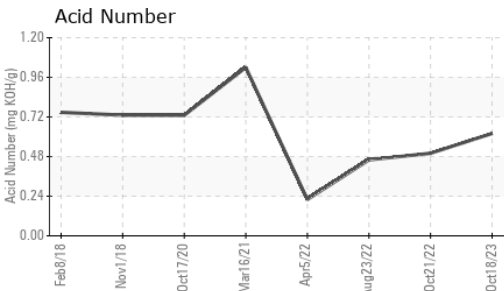
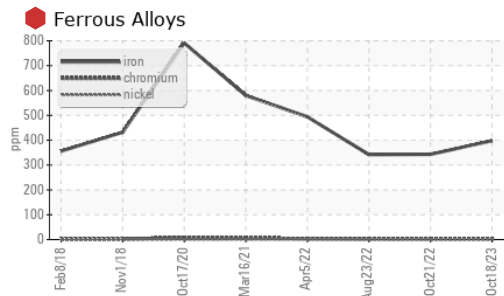
## CONTAMINATION

There is no indication of any contamination in the fluid.

## FLUID CONDITION

The AN level is acceptable for this fluid. 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		<b>WC0811938</b>	WC0413042	WC0689706
Sample Date		Client Info		<b>18 Oct 2023</b>	21 Oct 2022	23 Aug 2022
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>SEVERE</b>	ABNORMAL	ABNORMAL
PQ		ASTM D8184*	>105	<b>0</b>	0	0
Iron	ppm	ASTM D5185(m)	>230	<b>398</b>	343	342
Chromium	ppm	ASTM D5185(m)	>2	<b>4</b>	3	3
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>65	<b>2</b>	2	1
Lead	ppm	ASTM D5185(m)	>55	<b>3</b>	3	3
Copper	ppm	ASTM D5185(m)	>85	<b>60</b>	50	47
Tin	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>20	<b>3</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>10000	<b>76449</b>	136779	---
Particles >6µm		ASTM D7647	>2500	<b>5422</b>	8079	---
Particles >14µm		ASTM D7647	>320	<b>53</b>	154	---
Particles >21µm		ASTM D7647	>80	<b>11</b>	29	---
Particles >38µm		ASTM D7647	>20	<b>2</b>	0	---
Particles >71µm		ASTM D7647	>4	<b>1</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>23/20/13</b>	24/20/14	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>5</b>	6	5
Boron	ppm	ASTM D5185(m)		<b>71</b>	69	71
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>4</b>	4	4
Magnesium	ppm	ASTM D5185(m)		<b>2</b>	3	2
Calcium	ppm	ASTM D5185(m)		<b>58</b>	59	57
Phosphorus	ppm	ASTM D5185(m)		<b>181</b>	195	175
Zinc	ppm	ASTM D5185(m)		<b>14</b>	14	12
Sulfur	ppm	ASTM D5185(m)		<b>752</b>	720	734
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.62</b>	0.50	0.46
Visc @ 40°C	cSt	ASTM D7279(m)	26.0	<b>27.6</b>	28.3	28.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0811938 **Received** : 03 Jan 2024  
**Lab Number** : 02606254 **Diagnosed** : 05 Jan 2024  
**Unique Number** : 5707340 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: PQ, PrtCount, TAN Man )

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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.