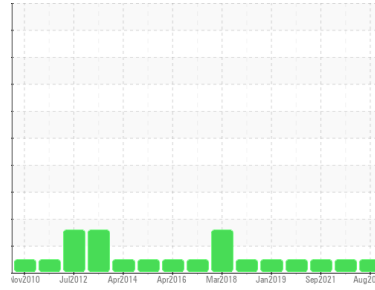




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**CFR#41743**  
 Machine Id  
**389**  
 Component  
**Right Final Drive**  
 Fluid  
**TES SYN 295 (--- 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		<b>WC877638</b>	WC877244	WC
Sample Date	Client Info		<b>15 Aug 2023</b>	05 Oct 2022	20 Sep 2021
Machine Age	kms	Client Info	<b>0</b>	0	11365
Oil Age	kms	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	<b>21</b>	25	52
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m) >10	<b>3</b>	4	4
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >25	<b>2</b>	2	1
Lead	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 100	<b>230</b>	210	196
Barium	ppm	ASTM D5185(m) 0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	0	2
Manganese	ppm	ASTM D5185(m) 2	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m) 1	<b>1</b>	<1	2
Calcium	ppm	ASTM D5185(m) 50	<b>171</b>	169	165
Phosphorus	ppm	ASTM D5185(m) 250	<b>528</b>	524	520
Zinc	ppm	ASTM D5185(m) 20	<b>13</b>	11	17
Sulfur	ppm	ASTM D5185(m) 500	<b>1742</b>	1802	2123
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

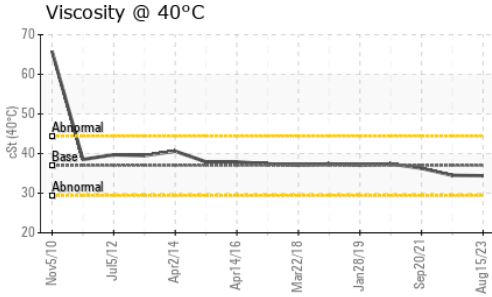
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>5</b>	6	5
Sodium	ppm	ASTM D5185(m)	<b>3</b>	3	31
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	18

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	<b>LIGHT</b>	NONE	VLITE
Yellow Metal	scalar	Visual* NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual* NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual* NONE	<b>VLITE</b>	NONE	VLITE
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* >0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*	<b>NEG</b>	NEG	NEG



# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	37.0	<b>34.4</b>	34.5	36.3

SAMPLE IMAGES		method	limit/base	current	history1	history2
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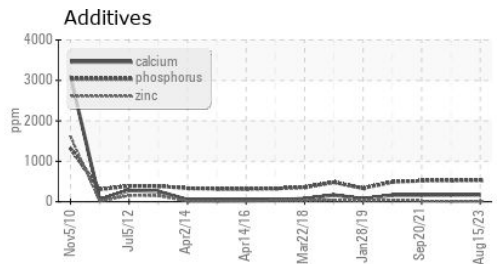
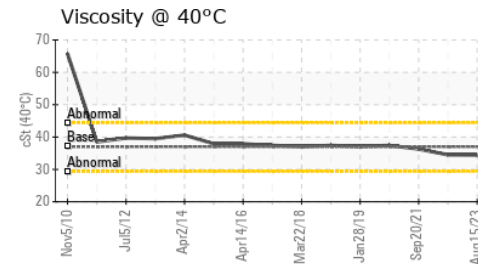
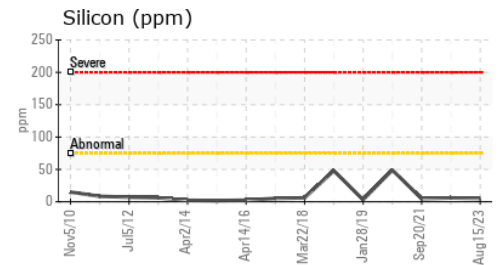
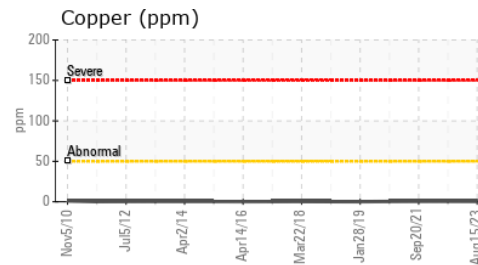
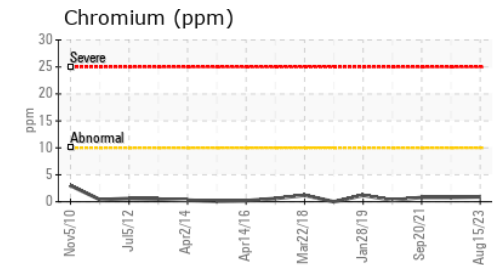
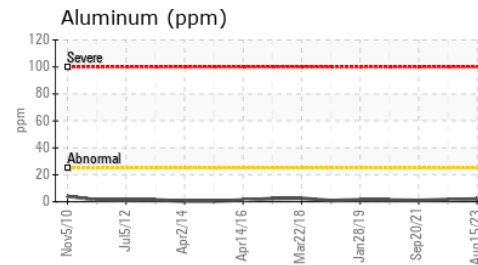
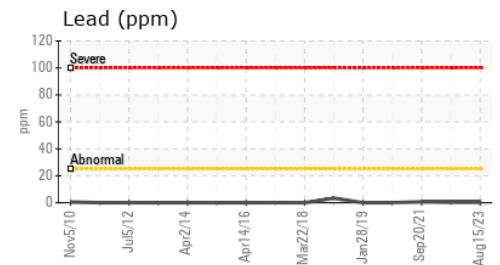
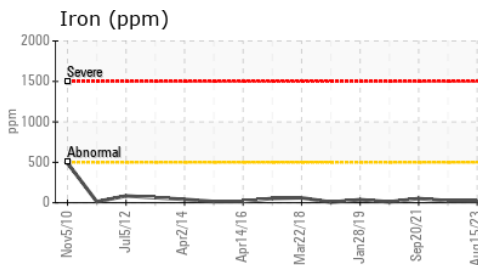
Color



Bottom



## GRAPHS



ISO 17025:2017 Accredited Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **DEPARTMENT OF NATIONAL DEFENSE**  
**Sample No.** : WC877638 **Received** : 23 Aug 2023 **MGEN.GEORGE R.PEARKE'S BUILDING**  
**Lab Number** : 02577791 **Diagnosed** : 23 Aug 2023 **OTTAWA, ON**  
**Unique Number** : 5630851 **Diagnostician** : Kevin Marson **CA K1A 0K2**  
**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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