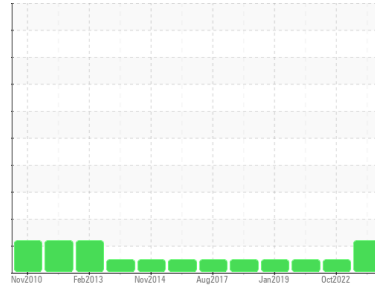




OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



Area
CFR#41743
 Machine Id
375
 Component
Left Final Drive
 Fluid
ALLISON TES 295 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for visible metal particles in the oil. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

Light concentration of visible metal present. Gear wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC877639	WC877283	WC
Sample Date	Client Info		15 Aug 2023	05 Oct 2022	20 Sep 2021
Machine Age	kms	Client Info	0	0	11365
Oil Age	kms	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>500	59	72	26
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	4	5	3
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	1	1	1
Lead	ppm	ASTM D5185(m)	>25	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>50	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Antimony	ppm	ASTM D5185(m)	>5	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		<1	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	147	181	191	235
Barium	ppm	ASTM D5185(m)	0.0	<1	0	<1
Molybdenum	ppm	ASTM D5185(m)	0.1	2	2	<1
Manganese	ppm	ASTM D5185(m)	0.0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1.0	2	2	<1
Calcium	ppm	ASTM D5185(m)	37	164	168	163
Phosphorus	ppm	ASTM D5185(m)	318	501	520	510
Zinc	ppm	ASTM D5185(m)	6.1	24	24	9
Sulfur	ppm	ASTM D5185(m)	1058	1730	1645	1802
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

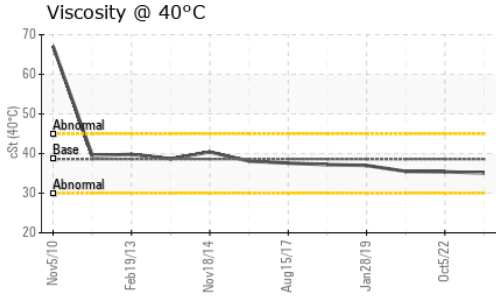
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>75	5	6	4
Sodium	ppm	ASTM D5185(m)		23	29	2
Potassium	ppm	ASTM D5185(m)	>20	14	17	<1

VISUAL

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



OIL ANALYSIS REPORT

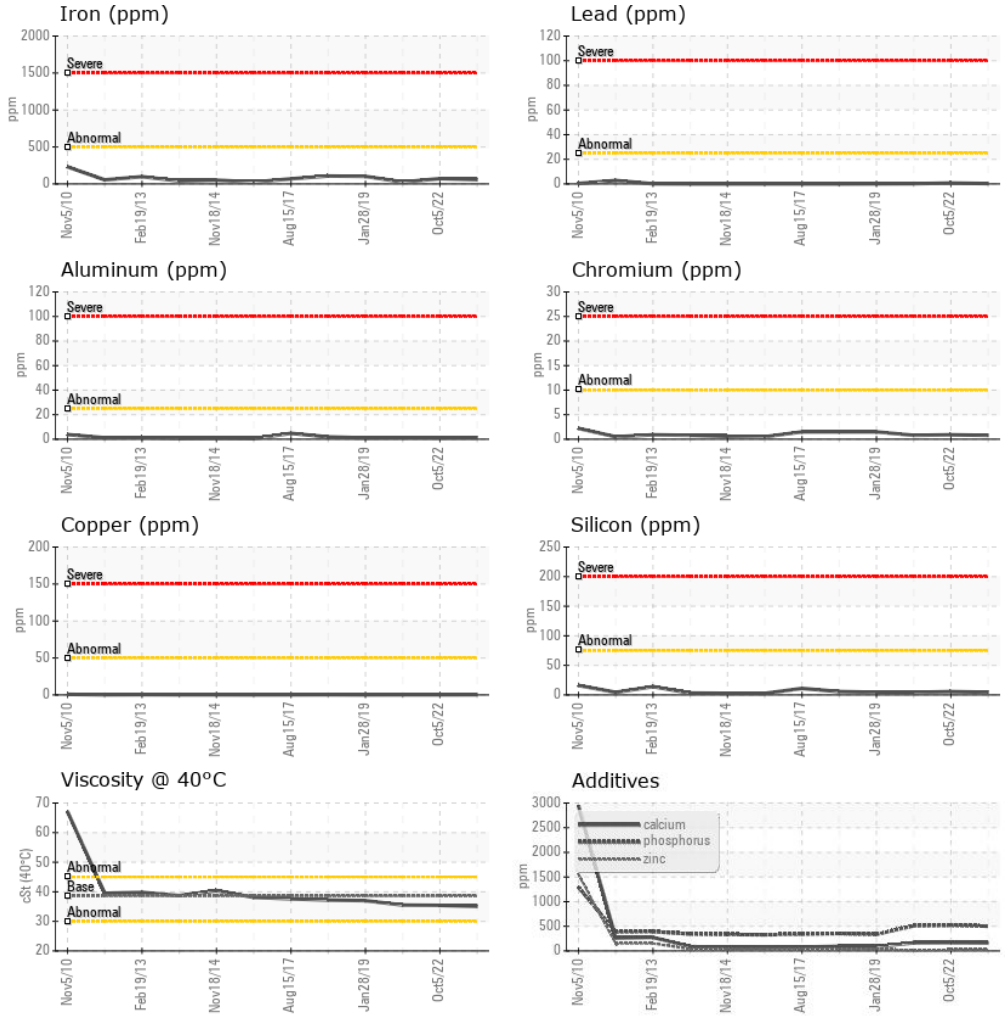


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	38.6	35.1	35.4

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			
Bottom			
PrtFilter		no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **DEPARTMENT OF NATIONAL DEFENSE**
Sample No. : WC877639 **Received** : 23 Aug 2023 **MGEN.GEORGE R.PEARKE'S BUILDING**
Lab Number : 02577790 **Diagnosed** : 24 Aug 2023 **OTTAWA, ON**
Unique Number : 5630850 **Diagnostician** : Kevin Marson **CA K1A 0K2**
Test Package : MOB 1 (Additional Tests: Bottom, BottomAnalysis, FilterPatch) **Contact: Philippe Charron**
To discuss this sample report, contact Customer Service at 1-800-268-2131. **philippe.charron@forces.gc.ca**
Test denoted () outside scope of accreditation, (m) method modified, (e) tested at external lab.* **T: (514)252-2777**
Validity of results and interpretation are based on the sample and information as supplied. **F: (819)997-9989**