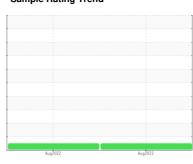


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



N/A CIL TANK

Component

Gearbox

GEAR OIL ISO 220 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

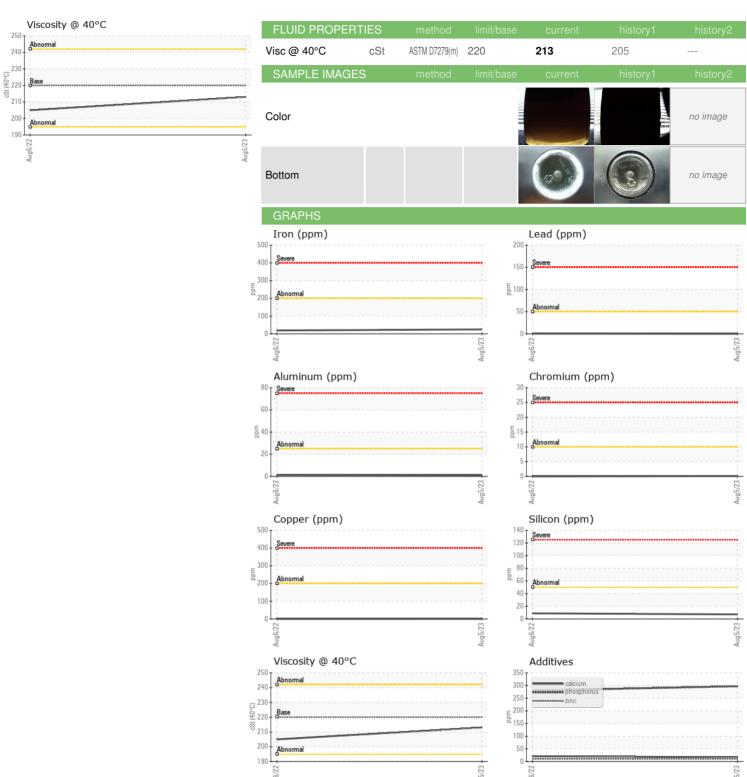
Fluid Condition

The condition of the oil is acceptable for the time in service.

Machine Age hrs Client Info 0 0 Oil Age hrs Client Info 0 0 Oil Changed Client Info Not Changd Not Changd							
Sample Number Client Info WC0820138 WC0695846				Aug2022	Aug2023		
Client Info	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age	Sample Number		Client Info		WC0820138	WC0695846	
Oil Changed Dil Changed Status Client Info Not Changed Not Changed Not Changed Nor Changed No	Sample Date		Client Info		05 Aug 2023	06 Aug 2022	
Oil Changed Sample Status	Machine Age	hrs	Client Info		0	0	
NORMAL N	Oil Age	hrs	Client Info		0	0	
WEAR METALS	Oil Changed		Client Info		Not Changd	Not Changd	
Iron	Sample Status				NORMAL	NORMAL	
Chromium	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185(m)	>200	25	19	
Titanium ppm ASTM D5185(m) 0 0	Chromium	ppm	ASTM D5185(m)	>10	<1	0	
Silver	Nickel	ppm	ASTM D5185(m)	>10	<1	<1	
Aluminum	Titanium	ppm	ASTM D5185(m)		0	0	
Lead	Silver	ppm	ASTM D5185(m)		0	0	
Copper	Aluminum	ppm	ASTM D5185(m)	>25	1	1	
Copper	Lead		()		0	<1	
Tin	Copper		(/		<1	0	
Antimony	• •		ASTM D5185(m)	>10	0	0	
Vanadium ppm ASTM D5185(m) 0 0 Beryllium ppm ASTM D5185(m) 0 0 Cadmium ppm ASTM D5185(m) 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 50 15 20 Barium ppm ASTM D5185(m) 15 1 2 Molybdenum ppm ASTM D5185(m) 15 1 2 Manganese ppm ASTM D5185(m) 50 <1 <1 Magnesium ppm ASTM D5185(m) 50 17 21 Magnesium ppm ASTM D5185(m) 50 17 21 Magnesium ppm ASTM D5185(m) 50 10 10 10 Calcium ppm ASTM D5185(m) 10 10	Antimony		. ,	>5	0	0	
Beryllium	•		1		0	0	
ADDITIVES	Bervllium		. ,		0	0	
Boron	•		()		-		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Barium	Boron	mag	ASTM D5185(m)	50	15	20	
Molybdenum ppm ASTM D5185(m) 15 1 2 Manganese ppm ASTM D5185(m) <1							
Manganese ppm ASTM D5185(m) <1 <1 Magnesium ppm ASTM D5185(m) 50 <1	Molybdenum		(/		1		
Magnesium ppm ASTM D5185(m) 50 <1 <1 Calcium ppm ASTM D5185(m) 50 17 21 Phosphorus ppm ASTM D5185(m) 350 297 280 Zinc ppm ASTM D5185(m) 100 10 10 Sulfur ppm ASTM D5185(m) 12500 9641 10187 Lithium ppm ASTM D5185(m) 5 6 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 7 9 Sodium ppm ASTM D5185(m) >20 2 <1	•		. ,		<1	<1	
Calcium ppm ASTM D5185(m) 50 17 21 Phosphorus ppm ASTM D5185(m) 350 297 280 Zinc ppm ASTM D5185(m) 100 10 10 Sulfur ppm ASTM D5185(m) 12500 9641 10187 Lithium ppm ASTM D5185(m) 5 6 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 7 9 Sodium ppm ASTM D5185(m) >20 2 <1	•		1	50	<1	<1	
Phosphorus ppm ASTM D5185(m) 350 297 280 Zinc ppm ASTM D5185(m) 100 10 10 Sulfur ppm ASTM D5185(m) 12500 9641 10187 Lithium ppm ASTM D5185(m) 5 6 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 7 9 Sodium ppm ASTM D5185(m) >50 7 9 Sodium ppm ASTM D5185(m) >20 2 <1 VISUAL method limit/base current history1 history2 VISUAL method limit/base current history1 history2 White Metal scalar Visual* NONE NONE NONE NONE Yellow Metal scalar Visual* </td <td></td> <td></td> <td>. ,</td> <td>50</td> <th>17</th> <td>21</td> <td></td>			. ,	50	17	21	
Zinc			. ,		297	280	
Sulfur ppm ASTM D5185(m) 12500 9641 10187 Lithium ppm ASTM D5185(m) 5 6 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 7 9 Sodium ppm ASTM D5185(m) >20 2 <1	•			100	_	10	
Lithium ppm ASTM D5185(m) 5 6 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 7 9 Sodium ppm ASTM D5185(m) >20 2 <1	Sulfur		. ,	12500	9641	10187	
Silicon ppm ASTM D5185(m) >50 7 9 Sodium ppm ASTM D5185(m) 1 1 1 Potassium ppm ASTM D5185(m) >20 2 <1 VISUAL method limit/base current history1 history2 White Metal scalar Visual* NONE NONE NONE Yellow Metal scalar Visual* NONE NONE NONE Precipitate scalar Visual* NONE NONE NONE Silt scalar Visual* NONE NONE LIGHT Debris scalar Visual* NONE NONE NONE Sand/Dirt scalar Visual* NONE NORML NORML NORML Appearance scalar Visual* NORML NORML NORML Odor scalar	Lithium		()		5		
Sodium ppm ASTM D5185(m) 1 1 Potassium ppm ASTM D5185(m) >20 2 <1	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D5185(m) 1 1 Potassium ppm ASTM D5185(m) >20 2 <1 VISUAL method limit/base current history1 history2 White Metal scalar Visual* NONE NONE NONE Yellow Metal scalar Visual* NONE NONE NONE Precipitate scalar Visual* NONE NONE NONE Silt scalar Visual* NONE NONE LIGHT Debris scalar Visual* NONE NONE NONE Sand/Dirt scalar Visual* NONE NORE NORE Appearance scalar Visual* NORML NORML NORML NORML Odor scalar Visual* NORML NORML NORML NORML Emulsified Water scalar <t< td=""><td></td><td></td><td>ASTM D5185(m)</td><td>>50</td><th>7</th><td>· ·</td><td></td></t<>			ASTM D5185(m)	>50	7	· ·	
Potassium ppm ASTM D5185(m) >20 2 <1 VISUAL method limit/base current history1 history2 White Metal scalar Visual* NONE NONE NONE Yellow Metal scalar Visual* NONE NONE NONE Precipitate scalar Visual* NONE NONE NONE Silt scalar Visual* NONE NONE LIGHT Debris scalar Visual* NONE NONE NONE Sand/Dirt scalar Visual* NONE NONE NORML NORML NORML Appearance scalar Visual* NORML NORML NORML Odor scalar Visual* NORML NORML NORML Emulsified Water scalar Visual* >0.2 NEG			. ,				
White Metal scalar Visual* NONE NONE NONE Yellow Metal scalar Visual* NONE NONE NONE Precipitate scalar Visual* NONE NONE NONE Silt scalar Visual* NONE NONE LIGHT Debris scalar Visual* NONE NONE LIGHT Sand/Dirt scalar Visual* NONE NONE NONE Appearance scalar Visual* NORML NORML NORML Odor scalar Visual* NORML NORML NORML Emulsified Water scalar Visual* >0.2 NEG NEG			(/	>20		<1	
Yellow Metal scalar Visual* NONE NONE NONE Precipitate scalar Visual* NONE NONE NONE Silt scalar Visual* NONE NONE LIGHT Debris scalar Visual* NONE NONE LIGHT Sand/Dirt scalar Visual* NONE NONE NONE Appearance scalar Visual* NORML NORML NORML Odor scalar Visual* NORML NORML NORML Emulsified Water scalar Visual* >0.2 NEG NEG	VISUAL		method	limit/base	current	history1	history2
Yellow Metal scalar Visual* NONE NONE NONE Precipitate scalar Visual* NONE NONE NONE Silt scalar Visual* NONE NONE LIGHT Debris scalar Visual* NONE NONE LIGHT Sand/Dirt scalar Visual* NONE NONE NONE Appearance scalar Visual* NORML NORML NORML Odor scalar Visual* NORML NORML NORML Emulsified Water scalar Visual* >0.2 NEG NEG	White Metal	scalar	Visual*	NONE	NONE	NONE	
Precipitate scalar Visual* NONE NONE NONE Silt scalar Visual* NONE NONE LIGHT Debris scalar Visual* NONE NONE LIGHT Sand/Dirt scalar Visual* NONE NONE NONE Appearance scalar Visual* NORML NORML NORML Odor scalar Visual* NORML NORML NORML Emulsified Water scalar Visual* >0.2 NEG NEG							
Silt scalar Visual* NONE NONE LIGHT Debris scalar Visual* NONE NONE LIGHT Sand/Dirt scalar Visual* NONE NONE NONE Appearance scalar Visual* NORML NORML NORML Odor scalar Visual* NORML NORML NORML Emulsified Water scalar Visual* >0.2 NEG NEG							
Debris scalar Visual* NONE NONE LIGHT Sand/Dirt scalar Visual* NONE NONE NONE Appearance scalar Visual* NORML NORML NORML Odor scalar Visual* NORML NORML NORML Emulsified Water scalar Visual* >0.2 NEG NEG	•	scalar					
Sand/Dirt scalar Visual* NONE NONE NONE Appearance scalar Visual* NORML NORML NORML Odor scalar Visual* NORML NORML NORML Emulsified Water scalar Visual* >0.2 NEG NEG							
Appearance scalar Visual* NORML NORML NORML Odor scalar Visual* NORML NORML NORML Emulsified Water scalar Visual* >0.2 NEG NEG					_		
Odor scalar Visual* NORML NORML NORML Emulsified Water scalar Visual* >0.2 NEG NEG	-						
Emulsified Water scalar Visual* >0.2 NEG NEG	• •						



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WC0820138 : 02578191 : 5631251 Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 24 Aug 2023 Diagnosed

Diagnostician : Wes Davis

: 24 Aug 2023

Agnico Eagle Canada 1350 Government Rd. W, MACASSA COMPLEX

Kirkland Lake, ON **CA P2N 3J1**

Contact: Mitch Lamontagne

AEM_KL_macassaoilsampleresults@agnicoeagle.com T: (705)567-5208

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.

F: (705)567-5221

Contact/Location: Mitch Lamontagne - KIR370KIR