

# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id BTV04

Rear Differential

GEAR OIL SAE 80W140 (--- GAL)

### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W140. Please confirm.

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.

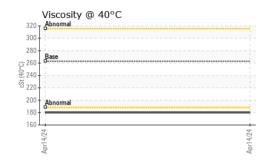
## **Fluid Condition**

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

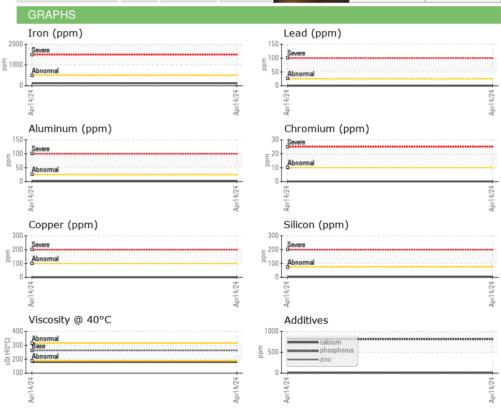
				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0916282		
Sample Date		Client Info		14 Apr 2024		
Machine Age	hrs	Client Info		11096		
Oil Age	hrs	Client Info		1000		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	117		
Chromium	ppm	ASTM D5185(m)	>10	<1		
Nickel	ppm	ASTM D5185(m)	>10	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	<1		
Lead	ppm	ASTM D5185(m)	>25	0		
Copper	ppm	ASTM D5185(m)	>100	<1		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)	>5	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	400	42		
Barium	ppm	ASTM D5185(m)	200	0		
Molybdenum	ppm	ASTM D5185(m)	12	0		
Manganese	ppm	ASTM D5185(m)		1		
Magnesium	ppm	ASTM D5185(m)	12	1		
Calcium	ppm	ASTM D5185(m)	150	9		
Phosphorus	ppm	ASTM D5185(m)	1650	814		
Zinc	ppm	ASTM D5185(m)	125	21		
Sulfur	ppm	ASTM D5185(m)	22500	17921		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	4		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	<1		



# **OIL ANALYSIS REPORT**



VISUAL		method	limit/base	current	history1	history2
					HISTOLAL	HISTOLYZ
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>.2	NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPERT	TES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	263	180		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						
Iron (ppm)			150	Lead (ppm)		





**CALA** ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number : 02630686

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0916282

Received **Tested** Unique Number : 5763818 Diagnosed

: 22 Apr 2024 : 22 Apr 2024 : 22 Apr 2024 - Wes Davis

Agnico Eagle Canada 1350 Government Rd. W, MACASSA COMPLEX

Kirkland Lake, ON CA P2N 3J1 Contact: Mitch Lamontagne

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.

AEM\_KL\_macassaoilsampleresults@agnicoeagle.com T: (705)567-5208

Validity of results and interpretation are based on the sample and information as supplied.

F: (705)567-5221 Contact/Location: Mitch Lamontagne - KIR370KIR