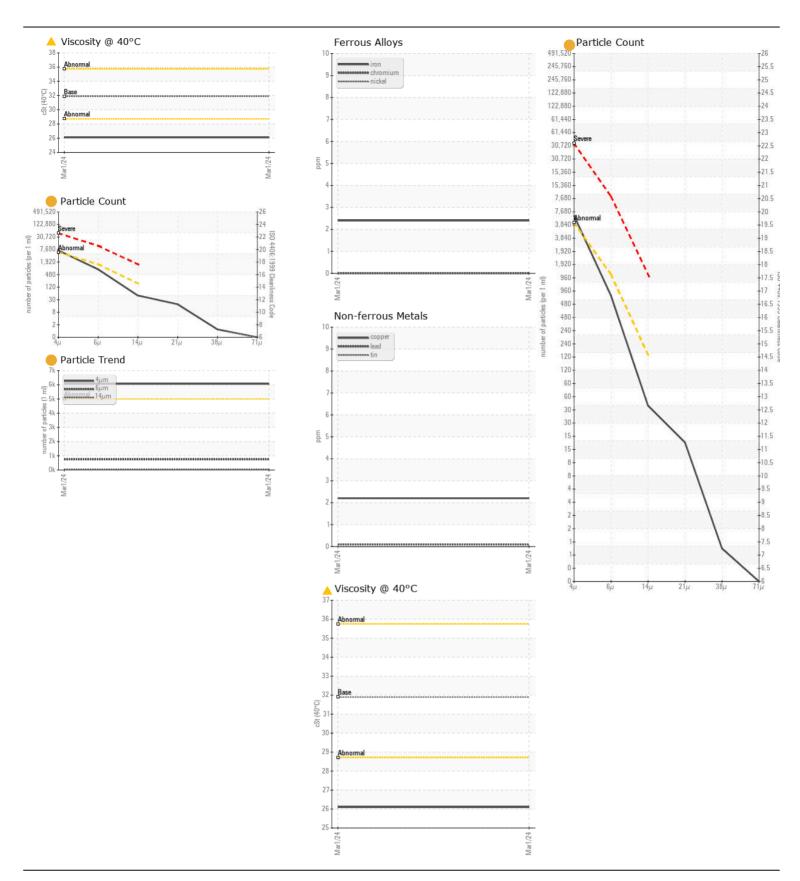
**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL ATTENTION ABNORMAL** 

Machine Id 200253

Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		GFL0107878		
We recommend you service the filters on this component. Resample at the next service interval to monitor.	Sample Date		Client Info		01 Mar 2024		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
VEAR	Iron	nnm	ASTM D5185(m)	> 20	2		
VEAN	Chromium	ppm	ASTM D5185(m)		0		
All component wear rates are normal.	Nickel	ppm ppm	ASTM D5185(m)	>10	0		
	Titanium	ppm	ASTM D5185(m)	>10	0		
	Silver	ppm	ASTM D5185(m)		0		
	Aluminum	ppm	ASTM D5185(m)	>10	<1		
	Lead	ppm	ASTM D5185(m)		<1		
	Copper	ppm	ASTM D5185(m)		2		
	Tin	ppm	ASTM D5185(m)		0		
	Vanadium	ppm	ASTM D5185(m)		0		
	White Metal	scalar	Visual*	NONE	NONE		
	Yellow Metal	scalar	Visual*	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185(m)	>20	0		
There is a light amount of silt (particulates < 14 microns in size)	Potassium	ppm	ASTM D5185(m)		<1		
present in the oil.	Water		WC Method	>0.1	NEG		
	Particles >4µm		ASTM D7647		6067		
	Particles >6µm		ASTM D7647		745		
	Particles >14µm		ASTM D7647		42		
	Particles >21µm		ASTM D7647		16		
	Particles >38µm Particles >71µm		ASTM D7647 ASTM D7647		1 0		
	Oil Cleanliness		ISO 4406 (c)		<u>20/17/13</u>		
	Silt	scalar	Visual*	NONE	NONE		
	Debris	scalar	Visual*	NONE	NONE		
	Sand/Dirt	scalar	Visual*	NONE	NONE		
	Appearance		Visual*	NORML	NORML		
	Odor	scalar	Visual*	NORML	NORML		
	Emulsified Water		Visual*	>0.1	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185(m)		0		
	Boron	ppm	ASTM D5185(m)		<1		
Viscosity of sample indicates oil is within ISO 22 range, advise investigate. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185(m)		0		
	Molybdenum	ppm	ASTM D5185(m)		0		
	Manganese	ppm	ASTM D5185(m)		0		
	Magnesium	ppm	ASTM D5185(m)		<1		
	Calcium	ppm	ASTM D5185(m)	50	59		
	Phosphorus	ppm	ASTM D5185(m)	330	319		
	Zinc Sulfur	ppm	ASTM D5185(m)	430	394 836		
	Cultur	ppm	ASTM D5185(m)	760	שניט		





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02619946

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 310 - Winnipeg : GFL0107878

Received **Tested** Unique Number : 5737056 Diagnosed

Test Package : MOB 1 ( Additional Tests: PrtCount )

: 05 Mar 2024

: 06 Mar 2024 : 06 Mar 2024 - Kevin Marson

#360 - 555 Hervo Street, Winnipeg, MB CA R3T 3L6 Contact: Joshua Lourenco jlourenco@gflenv.com T: (204)987-9600

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.