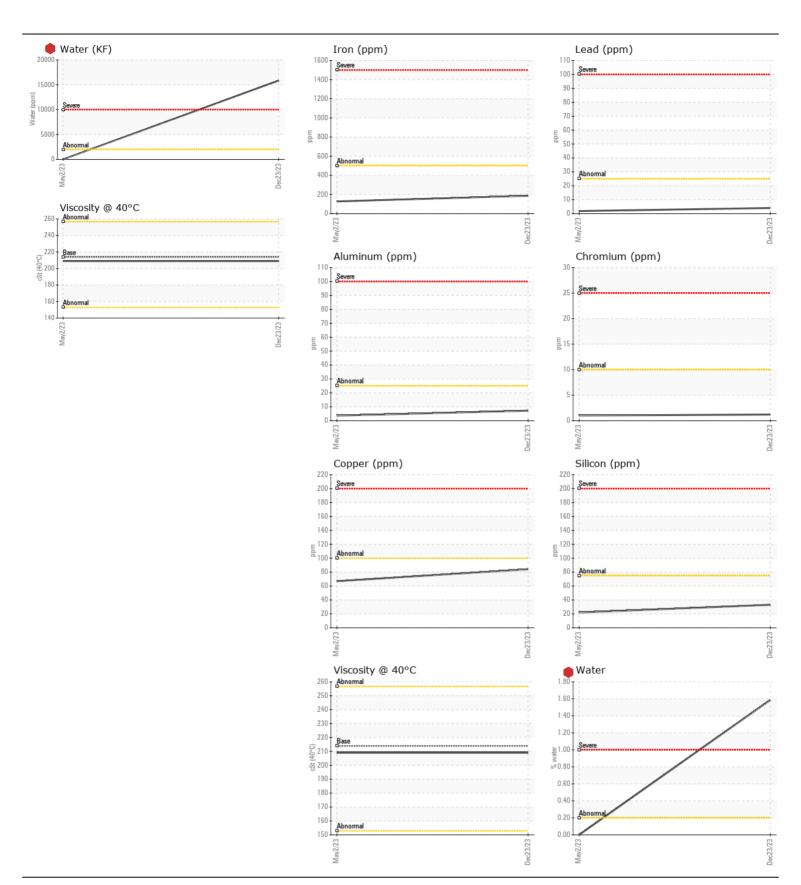
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL SEVERE NORMAL

CATERPILLAR R1600H SCP201

Component Front Differential

PETRO CANADA PRODURO TO-4 SAE 50 ((GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		WC0861406	WC0584382	
	Sample Date		Client Info		23 Dec 2023	02 May 2023	
	Machine Age	hrs	Client Info		11727	0	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	N/A	
	Filter Changed		Client Info		Changed	N/A	
	Sample Status				SEVERE	NORMAL	
WEAR	Iron	ppm	ASTM D5185(m)	>500	186	127	
All component wear rates are normal.	Chromium	ppm	ASTM D5185(m)	>10	1	1	
	Nickel	ppm	ASTM D5185(m)	>10	<1	<1	
	Titanium	ppm	ASTM D5185(m)		0	<1	
	Silver	ppm	ASTM D5185(m)		0	0	
	Aluminum	ppm	ASTM D5185(m)	>25	7	4	
	Lead	ppm	ASTM D5185(m)	>25	4	2	
	Copper	ppm	ASTM D5185(m)	>100	84	67	
	Tin	ppm	ASTM D5185(m)	>10	2	1	
	Vanadium	ppm	ASTM D5185(m)		0	0	
	White Metal	scalar	Visual*	NONE	VLITE	VLITE	
	Yellow Metal	scalar	Visual*	NONE	NONE	VLITE	
CONTAMINATION	Silicon	ppm	ASTM D5185(m)	>75	33	22	
There is a high concentration of water present in the oil.	Potassium	ppm	ASTM D5185(m)	>20	10	<1	
	Water	%	ASTM D6304*	>.2	1.585		
	ppm Water	ppm	ASTM D6304*	>2000	15852		
	Silt	scalar	Visual*	NONE	NONE	LIGHT	
	Debris	scalar	Visual*	NONE	VLITE	NONE	
	Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
	Appearance	scalar	Visual*	NORML	NORML	NORML	
	Odor	scalar		NORML	NORML	NORML	
	Emulsified Water	scalar	Visual*	>.2	<u> </u>	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		12	2	
The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185(m)	2	4	2	
	Barium	ppm	ASTM D5185(m)	0	<1	0	
	Molybdenum	ppm	ASTM D5185(m)	0	<1	<1	
	Manganese	ppm	ASTM D5185(m)	0	1	2	
	Magnesium	ppm	ASTM D5185(m)	9	20	12	
	Calcium	ppm	ASTM D5185(m)	3114	3696	3570	
	Phosphorus	ppm	ASTM D5185(m)	1099	909	957	
	Zinc	ppm	ASTM D5185(m)	1245	1060	1055	
	Sulfur	ppm	ASTM D5185(m)	7086	7927	10341	
	Visc @ 40°C	cSt	ASTM D7279(m)	213.9	209	209	





CALA ISO 17025:2017 Accredited

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

: WC0861406

Test Package : MOB 1 (Additional Tests: KF)

: 5709371

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Recieved : 02608285

: 11 Jan 2024 Diagnosed : 15 Jan 2024 Diagnostician : Kevin Marson 1350 Government Rd. W, MACASSA COMPLEX Kirkland Lake, ON CA P2N 3J1

Contact: Jay Gould MacassaMobileUGPlanning@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

Agnico Eagle Canada