WEAR CONTAMINATION **FLUID CONDITION**

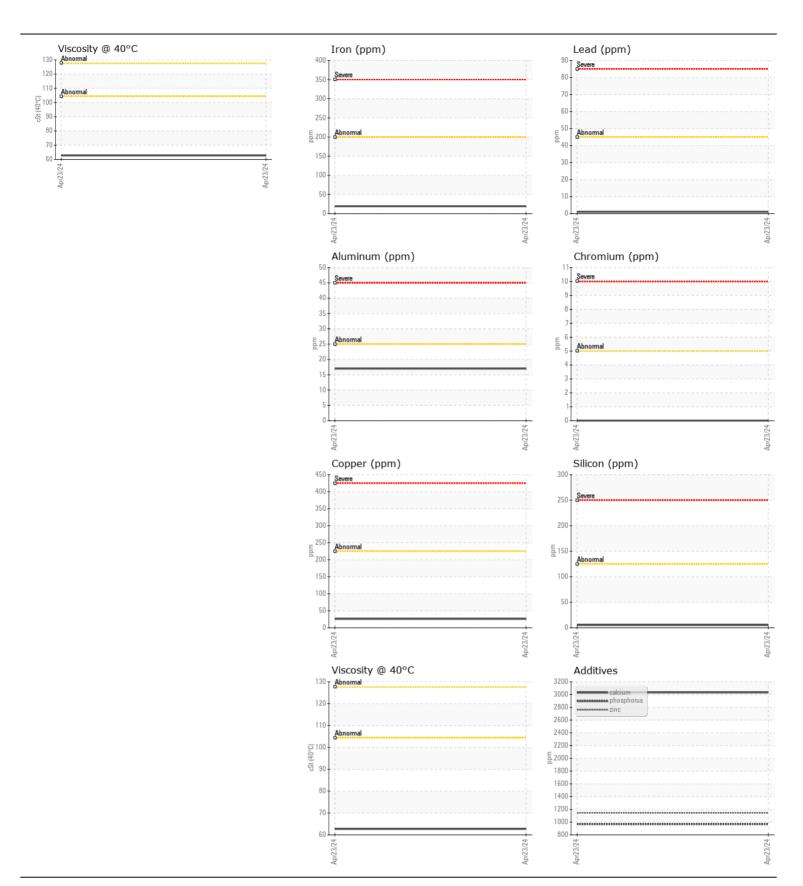
NORMAL NORMAL NORMAL



Machine Id **CATERPILLAR 140M GDR300**

Component Transmission (Manual)

Part	TLO-4 (GAL)							
Resample at the next service interval to monitor. Sample Number Client Info 23 Apr 2022 Client Info 1811 23 Apr 2022 Client Info 1811 Client Info 1811 Clien	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Client Info 23 Apr 2024		Sample Number		Client Info		WC0925792		
Oil Age hrs Client Info O		Sample Date		Client Info		23 Apr 2024		
Filter Age		Machine Age	hrs	Client Info		11811		
Oil Changed Client Info Not Changed Client Info Changed Client Info Changed Chan		Oil Age	hrs	Client Info		0		
Filter Changed Sample Status		Filter Age	hrs	Client Info		0		
Normal N		Oil Changed		Client Info		Not Changd		
VEAR		Filter Changed		Client Info		Changed		
All component wear rates are normal. Chromium ppm ASTIL (2515m) >5 0 Nickel ppm ASTIL (2515m) >5 0 Silver ppm ASTIL (2515m) >7 0 Aluminum ppm ASTIL (2515m) >7 0 Aluminum ppm ASTIL (2515m) >25 17 Copper ppm ASTIL (2515m) >25 26 Tin ppm ASTIL (2515m) >10 <1 Vanadium ppm ASTIL (2515m) >10 <1 Vanadium ppm ASTIL (2515m) >10 <1 Valuer WC Method >0 NONE Visual* NONE NONE Silt scalar Visual* NONE NONE Sand/Dirt scalar Visual* NONE NONE Appearance scalar Visual* NONE NONE Appearance scalar Visual* NORML NORML Codor scalar Visual* NORML NORML Appearance scalar Visual* NORML NORML Appearance scalar Visual* NORML NORML Appearance scalar Visual* NORML Appearance scalar Visual* NORML Appearance scalar Visual* NORML .		Sample Status				NORMAL		
All component wear rates are normal. Chromium ppm ASTIL (2515m) >5 0 Nickel ppm ASTIL (2515m) >5 0 Silver ppm ASTIL (2515m) >7 0 Aluminum ppm ASTIL (2515m) >7 0 Aluminum ppm ASTIL (2515m) >25 17 Copper ppm ASTIL (2515m) >25 26 Tin ppm ASTIL (2515m) >10 <1 Vanadium ppm ASTIL (2515m) >10 <1 Vanadium ppm ASTIL (2515m) >10 <1 Valuer WC Method >0 NONE Visual* NONE NONE Silt scalar Visual* NONE NONE Sand/Dirt scalar Visual* NONE NONE Appearance scalar Visual* NONE NONE Appearance scalar Visual* NORML NORML Codor scalar Visual* NORML NORML Appearance scalar Visual* NORML NORML Appearance scalar Visual* NORML NORML Appearance scalar Visual* NORML Appearance scalar Visual* NORML Appearance scalar Visual* NORML .	WFAR	Iron	nnm	ASTM D5185(m)	>200	19		
Nickel ppm ASTILLOSISSIM 55 0 Titanium ppm ASTILLOSISSIM 57 0 Aluminum ppm ASTILLOSISSIM 57 0 Aluminum ppm ASTILLOSISSIM 525 17 Lead ppm ASTILLOSISSIM 525 17 Lead ppm ASTILLOSISSIM 525 17 Lead ppm ASTILLOSISSIM 525 16 Copper ppm ASTILLOSISSIM 525 26 Tin ppm ASTILLOSISSIM 50 5 Vanadium ppm ASTILLOSISSIM 50 5 White Metal scalar Visual* NONE NONE Vanadium ppm ASTILLOSISSIM 50 White Metal scalar Visual* NONE NONE There is no indication of any contamination in the fluid. Water WC Method 50.1 NEG Sitt scalar Visual* NONE NONE Sand/Dirt scalar Visual* NONE NONE Debris scalar Visual* NONE NONE Appearance scalar Visual* NORML Appearance scalar Visual* NORML Appearance scalar Visual* NORML Appearance scalar Visual* NORML Appearance scalar Visual* NORML Appearance scalar Visual* NORML				. ,				
Titanium ppm ASTILICRIS(m) >7 0								
Silver								
Aluminum				, ,	>7			
Lead								
Copper		Lead		, ,				
Vanadium ppm ASTM D5185(m) 0		Copper			>225	26		
White Metal Scalar Visual* NONE NO		Tin	ppm	ASTM D5185(m)	>10	<1		
Yellow Metal scalar Visual* NONE NONE CONTAMINATION There is no indication of any contamination in the fluid. Potassium ppm ASTM D5185(m) >20 <1 Water WC Method >0.1 NEG Sitt scalar Visual* NONE NONE NONE Debris scalar Visual* NONE NONE NONE Appearance scalar Visual* NORML NORML NORML Appearance scalar Visual* NORML NORML NORML Appearance scalar Visual* NORML NORML ASTM D5185(m) 4 ASTM D5185(m) 12 ASTM D5185(m) 2 ASTM D5185(m) 117 ASTM D5185(m) 1145 ASTM D5185(m) 1145 ASTM D5185(m) 1145 ASTM D5185(m) 6459 ASTM D5185(m		Vanadium	ppm	ASTM D5185(m)		0		
Silicon ppm ASTM D5185(m) >125 5		White Metal	scalar	Visual*	NONE	NONE		
Potassium		Yellow Metal	scalar	Visual*	NONE	NONE		
Potassium	CONTAMINATION							
Water WC Method >0.1 NEG Silt scalar Visual* NONE NONE NONE Debris scalar Visual* NONE NONE NONE Sand/Dirt scalar Visual* NONE NONE NONE Appearance scalar Visual* NORML NORML NORML NORML NORML NORML Debris scalar Visual* NONE NONE NORML	CONTAMINATION							
Silt Scalar Visual* NONE NORML NORM	There is no indication of any contamination in the fluid.		ppm	, ,				
Debris Scalar Visual* NONE NONE Sand/Dirt Scalar Visual* NONE NORML								
Sand/Dirt scalar Visual* NONE NONE NONE NORML								
Appearance Scalar Visual* NORML NORM								
Odor scalar Visual* NORML NORML FEMULSIFIED Scalar Visual* Visual* Scalar Visual* Visua								
Emulsified Water scalar Visual* >0.1 NEG								
Sodium ppm ASTM D5185(m) 4 Boron ppm ASTM D5185(m) 12 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 2 Magnesium ppm ASTM D5185(m) 2 Magnesium ppm ASTM D5185(m) 117 Calcium ppm ASTM D5185(m) 3033 Zinc ppm ASTM D5185(m) 968 Zinc ppm ASTM D5185(m) 1145 Sulfur ppm ASTM D5185(m) 6459 Visc @ 40°C cSt ASTM D7279(m) 62.7								
Boron ppm ASTM D5185(m) 12 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 2 Manganese ppm ASTM D5185(m) <1 Magnesium ppm ASTM D5185(m) 117 Calcium ppm ASTM D5185(m) 3033 Phosphorus ppm ASTM D5185(m) 968 Zinc ppm ASTM D5185(m) 1145 Sulfur ppm ASTM D5185(m) 6459 Visc @ 40°C cSt ASTM D7279(m) 62.7								
Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 2 Manganese ppm ASTM D5185(m) <1 Magnesium ppm ASTM D5185(m) 117 Calcium ppm ASTM D5185(m) 3033 Phosphorus ppm ASTM D5185(m) 968 Zinc ppm ASTM D5185(m) 1145 Sulfur ppm ASTM D5185(m) 6459 Visc @ 40°C cSt ASTM D7279(m) 62.7	FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		4		
Molybdenum ppm ASTM D5185(m) 2 Manganese ppm ASTM D5185(m) <1 Magnesium ppm ASTM D5185(m) 117 Calcium ppm ASTM D5185(m) 3033 Phosphorus ppm ASTM D5185(m) 968 Zinc ppm ASTM D5185(m) 1145 Sulfur ppm ASTM D5185(m) 6459 Visc @ 40°C cSt ASTM D7279(m) 62.7	The condition of the fluid is acceptable for the time in service.	Boron	ppm	. ,		12		
Manganese ppm ASTM D5185(m) <1		Barium	ppm	ASTM D5185(m)		0		
Magnesium ppm ASTM D5185(m) 117 Calcium ppm ASTM D5185(m) 3033 Phosphorus ppm ASTM D5185(m) 968 Zinc ppm ASTM D5185(m) 1145 Sulfur ppm ASTM D5185(m) 6459 Visc @ 40°C cSt ASTM D7279(m) 62.7		Molybdenum	ppm			2		
Calcium ppm ASTM D5185(m) 3033 Phosphorus ppm ASTM D5185(m) 968 Zinc ppm ASTM D5185(m) 1145 Sulfur ppm ASTM D5185(m) 6459 Visc @ 40°C cSt ASTM D7279(m) 62.7		-	ppm			<1		
Phosphorus ppm ASTM D5185(m) 968 Zinc ppm ASTM D5185(m) 1145 Sulfur ppm ASTM D5185(m) 6459 Visc @ 40°C cSt ASTM D7279(m) 62.7		_	ppm	ASTM D5185(m)		117		
Zinc ppm ASTM D5185(m) 1145 Sulfur ppm ASTM D5185(m) 6459 Visc @ 40°C cSt ASTM D7279(m) 62.7			ppm	. ,				
Sulfur ppm ASTM D5185(m) 6459 Visc @ 40°C cSt ASTM D7279(m) 62.7		•						
Visc @ 40°C cSt ASTM D7279(m) 62.7			ppm					
	D	Visc @ 40°C	cSt	ASTM D7279(m)			'	





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02632359 Unique Number : 5773512

Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0925792

Received **Tested** Diagnosed

: 30 Apr 2024 : 30 Apr 2024 : 30 Apr 2024 - Kevin Marson

Agnico Eagle Canada 1350 Government Rd. W, MACASSA COMPLEX Kirkland Lake, ON

CA P2N 3J1 Contact: Jay Gould

To discuss this sample report, contact Customer Service at 1-800-268-2131.

MacassaMobileUGPlanning@agnicoeagle.com T: (705)567-5208 F: (705)567-5221

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.