



Area  
**Scoop 10 Yard**  
Machine Id  
**LHD1502**  
Component  
**Transmission (Auto)**  
Fluid  
**ATF (--- LTR)**

**RECOMMENDATION**

We advise that you check for the source of water entry. We advise that you check all areas where dirt can enter the system. We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition.

**WEAR**

All component wear rates are normal.

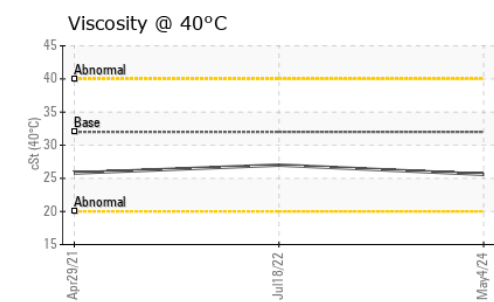
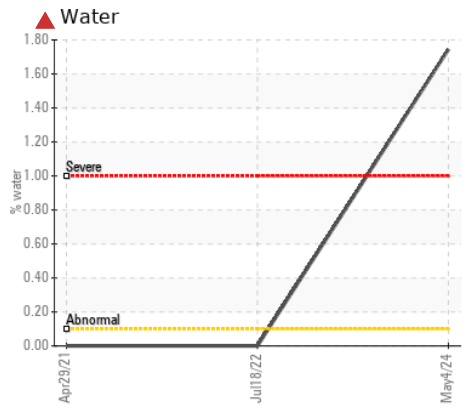
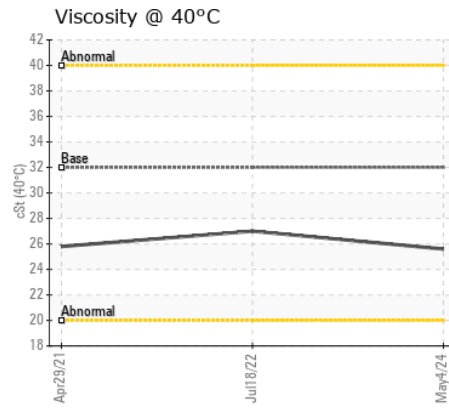
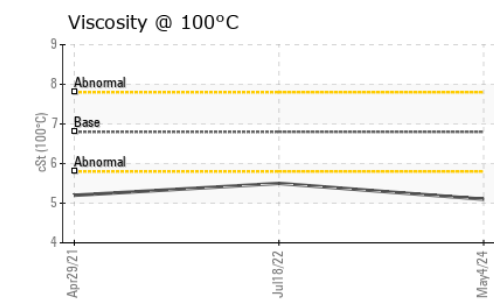
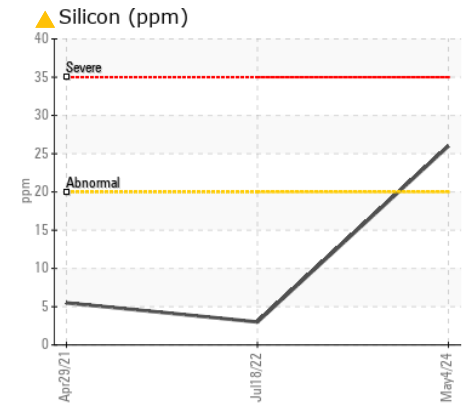
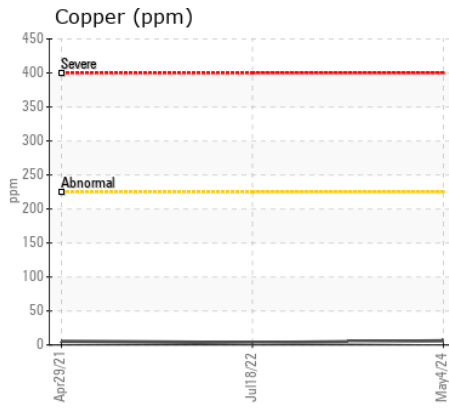
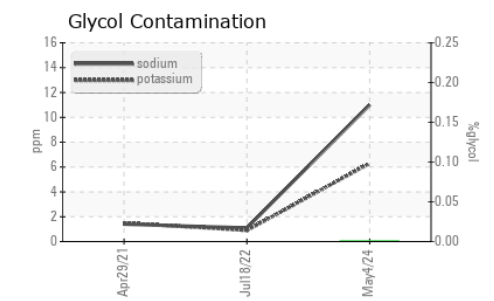
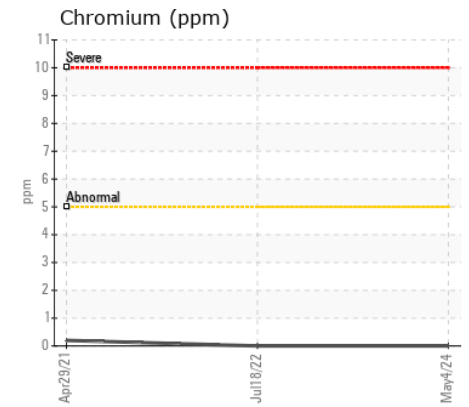
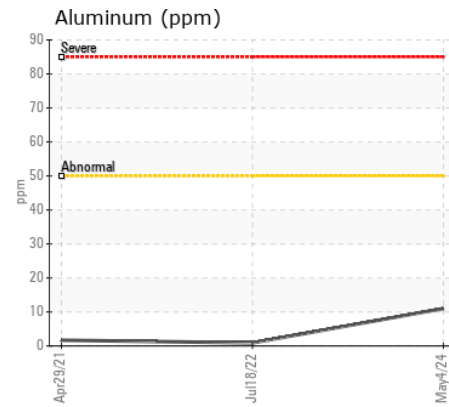
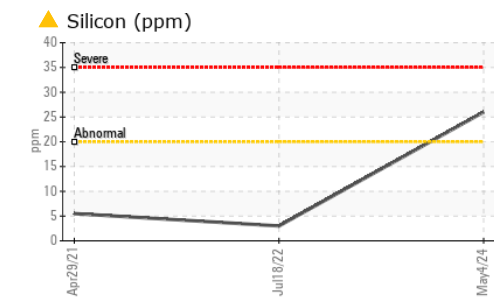
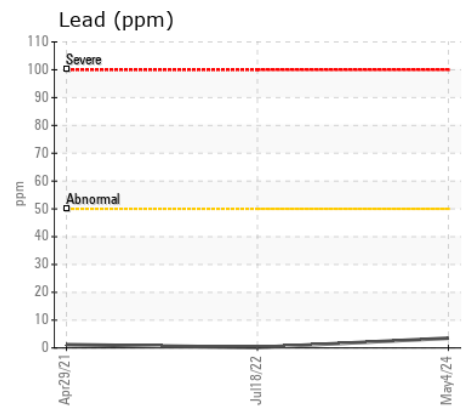
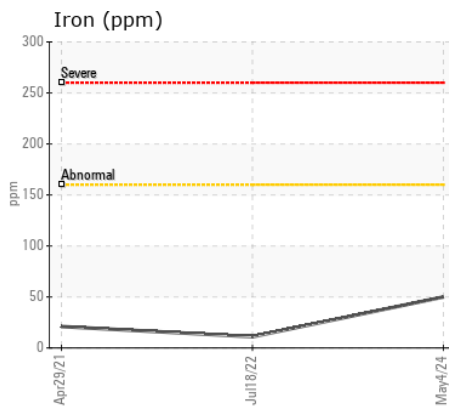
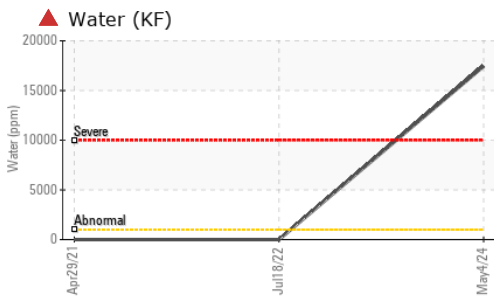
**CONTAMINATION**

There is a high concentration of water present in the fluid. There is a moderate concentration of dirt present in the fluid. Test for glycol is negative.

**FLUID CONDITION**

The fluid is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0047167</b>	PC0047737	PC0046794
Sample Date		Client Info		<b>04 May 2024</b>	18 Jul 2022	29 Apr 2021
Machine Age	hrs	Client Info		<b>2699</b>	6438	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	Changed	N/A
Sample Status				<b>SEVERE</b>	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>160	<b>50</b>	11	21
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>50	<b>11</b>	<1	2
Lead	ppm	ASTM D5185(m)	>50	<b>4</b>	<1	1
Copper	ppm	ASTM D5185(m)	>225	<b>6</b>	3	5
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>20	<b>▲ 26</b>	3	6
Potassium	ppm	ASTM D5185(m)	>20	<b>6</b>	<1	2
Water	%	ASTM D6304*	>0.1	<b>▲ 1.744</b>	---	---
ppm Water	ppm	ASTM D6304*	>1000	<b>▲ 17446</b>	---	---
Glycol	%	ASTM D7922*		<b>0.0</b>	---	---
Silt	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>▲ HAZY</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>▲ 1%</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>11</b>	1	1
Boron	ppm	ASTM D5185(m)		<b>85</b>	91	94
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	1	<1
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>9</b>	23	5
Calcium	ppm	ASTM D5185(m)		<b>136</b>	115	132
Phosphorus	ppm	ASTM D5185(m)		<b>226</b>	235	226
Zinc	ppm	ASTM D5185(m)		<b>42</b>	38	31
Sulfur	ppm	ASTM D5185(m)		<b>797</b>	905	799
Visc @ 40°C	cSt	ASTM D7279(m)	32.0	<b>25.6</b>	27.0	25.8
Visc @ 100°C	cSt	ASTM D7279(m)	6.8	<b>5.1</b>	5.5	5.2
Viscosity Index (VI)	Scale	ASTM D2270*	178	<b>130</b>	146	136



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0047167 **Received** : 29 May 2024  
**Lab Number** : 02638545 **Tested** : 03 Jun 2024  
**Unique Number** : 5787707 **Diagnosed** : 03 Jun 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: GLYCOL, KF, KV100, VI )

**Lakeshore Gold Timmins West**  
 Timmins, ON  
 CA  
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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.