

Scissor Decks

XLIFT192 Component Transmission (Manual) Fluid TDTO FLUID SAE 20 (--- GAL)

RECOMMENDATION

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. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDTO FLUID SAE 20. Please confirm.

WEAR

Lead ppm levels are severe. Clutch disc wear indicated.

CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

				~~~~~		
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0084781		
Sample Date		Client Info		16 May 2024		
Machine Age	hrs	Client Info		3495		
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		
Iron	nnm	ASTM D5185(m)	>200	6		
Chromium	ppm ppm	ASTM D5185(m)	>5	0		
Nickel	ppm	ASTM D5185(m)	>5	0		
Titanium	ppm	ASTM D5185(m)	>5	0		
Silver	ppm	ASTM D5185(m)	>7	0		
Aluminum	ppm	ASTM D5185(m)	>25	2		
Lead	ppm	ASTM D5185(m)	>45	245		
Copper	ppm	ASTM D5185(m)	>225	51		
Tin	ppm	ASTM D5185(m)	>10	0		
Vanadium	ppm	ASTM D5185(m)	210	0		
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Silicon	ppm	ASTM D5185(m)	>125	8		
Silicon Potassium	ppm ppm	ASTM D5185(m) ASTM D5185(m)	>125 >20	8 <1		
				-		
Potassium		ASTM D5185(m)	>20	<1		  
Potassium Water	ppm	ASTM D5185(m) WC Method	>20 >0.1	<1 NEG		  
Potassium Water Silt	ppm scalar	ASTM D5185(m) WC Method Visual*	>20 >0.1 NONE NONE NONE	<1 NEG VLITE		
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185(m) WC Method Visual* Visual*	>20 >0.1 NONE NONE	<1 NEG VLITE VLITE NONE NORML		
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185(m) WC Method Visual* Visual* Visual*	>20 >0.1 NONE NONE NONE	<1 NEG VLITE VLITE NONE		
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual*	>20 >0.1 NONE NONE NONE	<1 NEG VLITE VLITE NONE NORML		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual*	>20 >0.1 NONE NONE NORML NORML	<1 NEG VLITE VLITE NONE NORML NORML	  	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m)	>20 >0.1 NONE NONE NORML NORML >0.1	<1 NEG VLITE VLITE NONE NORML NEG 1		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML >0.1 37	<1 NEG VLITE VLITE NONE NORML NEG 1 69	   	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML NORML >0.1	<1 NEG VLITE VLITE NONE NORML NORML NEG 1 69 0		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML NORML >0.1	<1 NEG VLITE VLITE NONE NORML NEG 1 69		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML NORML >0.1	<1 NEG VLITE VLITE NONE NORML NORML NEG 1 69 0 0		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML >0.1 37 7 5	<1 NEG VLITE VLITE NONE NORML NEG 1 69 0 0 0		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORML >0.1 37 7 5 40	<1 NEG VLITE VLITE NONE NORML NEG 1 69 0 0 0 0 0 16		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	<ul> <li>&gt;20</li> <li>&gt;0.1</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.1</li> <li>37</li> <li>37</li> <li>5</li> <li>40</li> <li>2650</li> </ul>	<1 NEG VLITE VLITE NONE NORML NORML NEG 1 69 0 0 0 0 1 6 3224		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	<ul> <li>&gt;20</li> <li>&gt;0.1</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.1</li> <li>&gt;0.1</li> <li>37</li> <li>37</li> <li>37</li> <li>5</li> <li>40</li> <li>2650</li> <li>1050</li> </ul>	<1 NEG VLITE VLITE NONE NORML NORML NEG 1 69 0 0 0 0 16 3224 1061		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NONL NORML >0.1 37 37 37 37 5 40 2650 1050 1050	<1 NEG VLITE VLITE NONE NORML NEG 1 69 0 0 0 0 16 3224 1061 1253		Image: select
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORM >0.1 37 37 37 37 5 40 2650 1050 1055 5750	<1 NEG VLITE VLITE NONE NORML NEG 1 69 0 0 0 0 16 3224 1061 1253 2605		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Visc @ 40°C	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >0.1 NONE NONE NORM NORM >0.1 37 37 37 37 37 40 2650 1050 1050 1055 5750 60	<1 NEG VLITE VLITE NONE NORML NORML 1 69 0 0 0 0 0 16 3224 1061 1253 2605 54.2		

WEAR

CONTAMINATION

FLUID CONDITION

**ABNORMAL** 

NORMAL

NORMAL

Submitted By: Edward Katic



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Lakeshore Gold Timmins West CALA 口俗 - 🔳 Sample No. : PC0084781 Received : 29 May 2024 Lab Number : 02638528 Timmins, ON Tested : 03 Jun 2024 ISO 17025:2017 Accredited : 03 Jun 2024 - Kevin Marson Unique Number : 5787690 Diagnosed CA Laboratory Test Package : MOB 1 (Additional Tests: BottomAnalysis, FILTERPATCH, KV100, VI) Contact: Dale Arseneau darseneau@ca.panamericansilver.com To discuss this sample report, contact Customer Service at 1-800-268-2131. T: (705)269-4344 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F: Validity of results and interpretation are based on the sample and information as supplied.