

## WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



## KANSAS/44/EG - LOADER 46.107L [KANSAS^44^EG - LOADER] Component Front Differential

TDTO FLUID SAE 30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.



All component wear rates are normal.

## CONTAMINATION

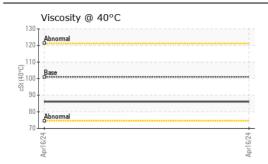
There is no indication of any contamination in the oil.

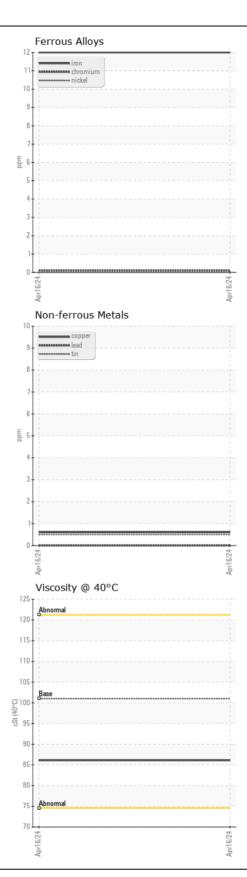
## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0789826		
Sample Date		Client Info		16 Apr 2024		
Machine Age	hrs	Client Info		15		
Oil Age	hrs	Client Info		15		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Filter Changed		Client Info		N/A		
Sample Status				NORMAL		
			500	10		
Iron	ppm	ASTM D5185m	>500	12		
Chromium	ppm	ASTM D5185m	>3	<1		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	<1		
Lead	ppm	ASTM D5185m	>13	0		
Copper	ppm	ASTM D5185m	>103	<1		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m	NONE	0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>100	6		
Potassium	ppm	ASTM D5185m	>20	0		
Potassium Water	ppm	ASTM D5185m WC Method	>20 >.2	0 NEG		
	ppm scalar			-		
Water		WC Method	>.2	NEG		
Water Silt	scalar	WC Method *Visual	>.2 NONE	NEG NONE		
Water Silt Debris	scalar scalar	WC Method *Visual *Visual	>.2 NONE NONE	NEG NONE NONE		
Water Silt Debris Sand/Dirt	scalar scalar scalar	WC Method *Visual *Visual *Visual	>.2 NONE NONE NONE	NEG NONE NONE NONE		
Water Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>.2 NONE NONE NONE NORML	NEG NONE NONE NONE NORML	  	  
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>.2 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG	  	  
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>.2 NONE NONE NORML NORML >.2	NEG NONE NONE NORML NORML NEG	  	  
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>.2 NONE NONE NORML >.2 37	NEG NONE NONE NORML NORML NEG 4 3	  	  
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar scalar ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>.2 NONE NONE NORML NORML >.2 37 7	NEG NONE NONE NORML NORML NEG 4 3 2	  	  
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>.2 NONE NONE NORML >.2 37	NEG NONE NONE NORML NORML NEG 4 3 2 <1		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar scalar ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>.2 NONE NONE NORML NORML >.2 37 7 5	NEG NONE NONE NORML NORML NEG 4 3 2 <1 1		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>.2 NONE NONE NORML NORML >.2 37 7	NEG NONE NONE NORML NORML NEG 4 3 2 <1 1 1 17		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;.2</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;.2</li> <li>37</li> <li>37</li> <li>5</li> <li>40</li> <li>2650</li> </ul>	NEG NONE NONE NORML NORML NEG 4 3 2 <1 1 1 17 3020		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;.2</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;.2</li> <li>37</li> <li>7</li> <li>5</li> <li>40</li> <li>2650</li> <li>1050</li> </ul>	NEG NONE NONE NORML NORML NEG 4 3 2 <1 1 1 17		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;.2</li> <li>NONE</li> <li>NORME</li> <li>NORML</li> <li>&gt;.2</li> <li>37</li> <li>37</li> <li>5</li> <li>40</li> <li>2650</li> <li>1050</li> <li>1075</li> </ul>	NEG NONE NONE NORML NORML NEG 4 3 2 <1 1 1 17 3020 1079 1270		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Malybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;.2</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;.2</li> <li>37</li> <li>7</li> <li>5</li> <li>40</li> <li>2650</li> <li>1050</li> </ul>	NEG NONE NONE NORML NORML NEG 4 3 2 <1 1 1 17 3020 1079		

Submitted By: JASON GORGES





Received

Diagnosed

Tested

SHERWOOD CONSTRUCTION CO INC : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 22 Apr 2024 3219 WEST MAY ST : 23 Apr 2024 WICHITA, KS : 23 Apr 2024 - Wes Davis US 67213 Contact: RANDY ROBERTS randy.roberts@sherwood.net T: (316)943-6491 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: x:



Report Id: SHEWIC [WUSCAR] 06156332 (Generated: 04/23/2024 17:28:09) Rev: 1

Certificate L2367

Laboratory

Sample No.

Lab Number : 06156332

Unique Number : 10991755

Test Package : CONST

: WC0789826

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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