

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



KANSAS/44/EG - LOADER Machine Id 47.15L [KANSAS^44^EG - LOADER] Component Rear 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

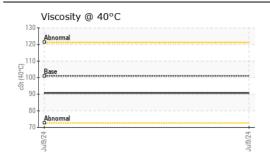
There is no indication of any contamination in the oil.

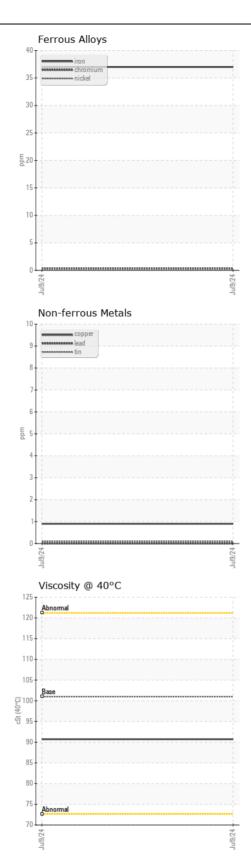
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0918120		
Sample Date		Client Info		09 Jul 2024		
Machine Age	hrs	Client Info		9		
Oil Age	hrs	Client Info		9		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Filter Changed		Client Info		N/A		
Sample Status				NORMAL		
Iron		ASTM D5185m	>500	37		
Chromium	ppm	ASTM D5185m	>3	37 <1		
Nickel	ppm	ASTM D5185m		<1 <1		
Titanium	ppm	ASTM D5185m	>3 >2	<1		
Silver	ppm	ASTM D5185m	>2	<1 0		
Aluminum	ppm	ASTM D5185m		2		
Lead	ppm	ASTM D5185m	>30 >13	2		
Copper	ppm ppm	ASTM D5185m	>13	0 <1		
Tin		ASTM D5185m	>103	<1 <1		
Vanadium	ppm ppm	ASTM D5185m	>0	0		
White Metal	scalar	*Visual	NONE	MODER		
Yellow Metal	scalar	*Visual	NONE	NONE		
renow metai	Scalai	visuai	NONL	NONE		
Silicon	ppm	ASTM D5185m	>100	8		
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>100 >20	8 <1		
				-		
Potassium		ASTM D5185m	>20	<1		
Potassium Water	ppm	ASTM D5185m WC Method	>20 >.2	<1 NEG		
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >.2 NONE	<1 NEG NONE		
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >.2 NONE NONE	<1 NEG NONE NONE		
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >.2 NONE NONE NONE	<1 NEG NONE NONE NONE	 	
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >.2 NONE NONE NONE NORML	<1 NEG NONE NONE NONE NORML	 	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >.2 NONE NONE NORML NORML	<1 NEG NONE NONE NORE NORML NEG	 	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2	<1 NEG NONE NONE NORML NORML NEG 4	 	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >.2 NONE NONE NORML >.2 37	<1 NEG NONE NONE NORML NORML NEG 4		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2 37 7	<1 NEG NONE NONE NORML NORML NEG 4 0 10	 	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML >.2 37	<1 NEG NONE NONE NORML NORML NEG 4 0 10		
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 D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML >.2 37 7 5	<1 NEG NONE NONE NORML NORML NEG 4 0 10 0 3		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2 37 7 5 40	<1 NEG NONE NONE NORML NORML NEG 4 0 10 0 3 22		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML NORML >.2 37 7 5 5 40 2650	<1 NEG NONE NONE NORML NORML NEG 4 0 10 0 3 22 3022		
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	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML >.2 37 37 5 40 2650 1050	<1 NEG NONE NONE NORML NORML NEG 4 0 10 0 3 22 3022 1081		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >20 >.2 NONE NORML NORML >.2 37 7 5 40 2650 1050 1075 	<1 NEG NONE NONE NORML NORML NEG 4 0 10 0 3 22 3022 1081 1299		
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	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >.2 NONE NONE NORML >.2 37 37 5 40 2650 1050	<1 NEG NONE NONE NORML NORML NEG 4 0 10 0 3 22 3022 1081		

Submitted By: KEVIN HOHEISEL





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Sample No. : WC0918120 Received 3219 WEST MAY ST : 15 Jul 2024 Lab Number : 06237166 Tested WICHITA, KS : 17 Jul 2024 Unique Number : 11126000 Diagnosed : 17 Jul 2024 - Wes Davis US 67213 Test Package : CONST Contact: RANDY ROBERTS Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. randy.roberts@sherwood.net * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Laboratory

Submitted By: KEVIN HOHEISEL Page 2 of 2

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SHERWOOD CONSTRUCTION CO INC