

5C07 Machine Id PETERBILT 337 BTK8956 Component Transmission (Auto)

DEXRON III (--- GAL)

RECOMMENDATION

We suspect abnormal metal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test

F	LUID C	ONDI		NORMAL		
UOM	Method	Limit/Abn	Current	History1	History2	
	Client Info		ARI0007478	ARI0006876		
	Client Info		29 Dec 2023	13 Jul 2023		

WEAR

CONTAMINATION

ABNORMAL

NORMA

WEAR

Moderate concentration of visible metal present. All component wear rates are normal.

CONTAMINATION

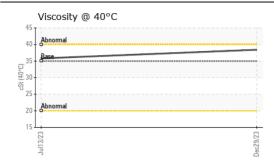
There is no indication of any contamination in the fluid.

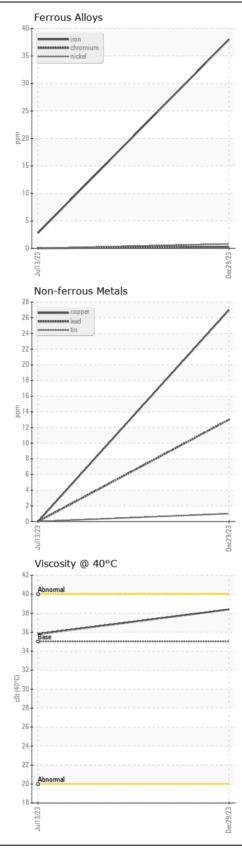
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ARI0007478	ARI0006876	
Sample Date		Client Info		29 Dec 2023	13 Jul 2023	
Machine Age	mls	Client Info		52641	50179	
Oil Age	mls	Client Info		0	0	
Filter Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Filter Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>160	38	3	
Chromium	ppm	ASTM D5185m	>5	<1	0	
Nickel	ppm	ASTM D5185m	>5	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>5	0	0	
Aluminum	ppm	ASTM D5185m	>50	7	<1	
Lead	ppm	ASTM D5185m	>50	13	0	
Copper	ppm	ASTM D5185m	>225	27	0	
Tin	ppm	ASTM D5185m	>10	1	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	A MODER	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>20	4	4	
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>20 >20	4 3	4 0	
				-		
Potassium		ASTM D5185m	>20	3	0	
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.1	3 NEG	0 NEG	
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.1 NONE	3 NEG NONE	0 NEG NONE	
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.1 NONE NONE	3 NEG NONE NONE	0 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE	3 NEG NONE NONE	0 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE	3 NEG NONE NONE NONE NORML	0 NEG NONE NONE NONE NORML	
Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NORML NORML	3 NEG NONE NONE NORE NORML	0 NEG NONE NONE NONE NORML NORML	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.1 NONE NONE NORML NORML	3 NEG NONE NONE NORML NORML NEG 7	0 NEG NONE NONE NORML NORML NEG	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NORML NORML	3 NEG NONE NONE NORE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG	
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 >0.1 NONE NONE NORML NORML	3 NEG NONE NONE NORML NORML NEG 7 97	0 NEG NONE NONE NORML NORML NEG 0 66	
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 >0.1 NONE NONE NORML NORML	3 NEG NONE NONE NORML NORML NEG 7 97 0	0 NEG NONE NONE NORML NORML NEG 0 66 0	
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 >0.1 NONE NONE NORML NORML	3 NEG NONE NONE NORML NORML NEG 7 97 0 2	0 NEG NONE NONE NORML NEG 0 66 0 <1	
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 >0.1 NONE NONE NORML NORML	3 NEG NONE NONE NORML NORML NEG 7 97 0 2 4	0 NEG NONE NONE NORML NORML NEG 0 66 0 <1 <1	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum 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 >0.1 NONE NONE NORML NORML	3 NEG NONE NONE NORML NORML NEG 7 97 0 2 4 2	0 NEG NONE NONE NORML NORML NEG 0 66 0 <1 <1 <1 6	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum 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 >0.1 NONE NONE NORML NORML	3 NEG NONE NONE NORML NORML NEG 7 97 0 2 4 2 4 2 51	0 NEG NONE NONE NORML NORML NEG 0 66 0 <1 <1 <1 6 117	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium 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 >0.1 NONE NONE NORML NORML	3 NEG NONE NONE NORML NORML NEG 7 97 0 2 4 2 4 2 51 303	0 NEG NONE NONE NORML NORML NEG 0 66 0 <1 <1 6 117 167	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium Phosphorus	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 >0.1 NONE NONE NORML NORML	3 NEG NONE NONE NORML NORML NEG 7 97 0 2 4 2 4 2 51 303 0	0 NEG NONE NONE NORML NORML NEG 0 66 0 <1 <1 6 117 167 9	

Contact/Location: ALBERT FRIEDRICH - AR3950BAL





d	Laboratory	: WearCheck USA -	INSITUFORM TECHNOLOGIES, INC				
ANAB	Sample No.	: ARI0007478	Recieved	: 08 Jan 2024	709 EAST ORDNANCE ROAD SUITE 501		
ACCREDITED	Lab Number	: 06054417	Diagnosed	: 10 Jan 2024	BALTIMORE, MD		
TESTING LABORATORY	Unique Number	: 10820366	Diagnostician	: Jonathan Hester	US 21226		
Certificate L2367	Test Package	: CONST			Contact: ALBERT FRIEDRICH		
To discuss this sample report, contact Customer Service at 1-800-237-1369. AFRIEDRICH@INSITUFORM.COM							
* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (240)388-1832							
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:							

Report Id: AR3950BAL [WUSCAR] 06054417 (Generated: 01/10/2024 11:58:27) Rev: 1

Contact/Location: ALBERT FRIEDRICH - AR3950BAL