

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

CR1216 - INNER Component Front Right Final Drive Fluid GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

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

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

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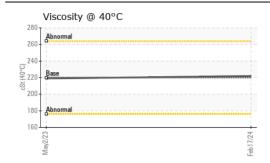
FLUID CONDITION

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

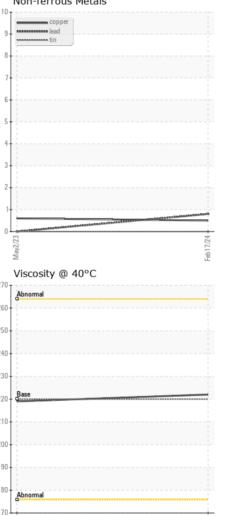
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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0873176	WC0809248	
Sample Date		Client Info		17 Feb 2024	02 May 2023	
Machine Age	hrs	Client Info		3481	2737	
Oil Age	hrs	Client Info		0	763	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
Iron		ASTM D5185m	>500	3	E	
Chromium	ppm	ASTM D5185m	>10	0	5	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m	>10	0	0	
	ppm			-		
Silver	ppm	ASTM D5185m	► OF	0	0	
	ppm		>25	-	0	
Lead	ppm	ASTM D5185m	>25	<1	0	
Copper	ppm	ASTM D5185m	>50	<1	<1	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		0		
White Metal Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	NONE <1	<1 NONE	
Silicon	ppm	ASTM D5185m	>75	<1	<1	
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>75 >20	<1 0	<1 <1	
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>75 >20 >0.2	<1 0 NEG	<1 <1 NEG	
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>75 >20 >0.2 NONE	<1 0 NEG NONE	<1 <1 NEG MODER	
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>75 >20 >0.2 NONE NONE	<1 0 NEG NONE NONE	<1 <1 NEG MODER NONE	
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	>75 >20 >0.2 NONE NONE NONE	<1 0 NEG NONE NONE NONE	<1 <1 NEG MODER NONE NONE	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>75 >20 >0.2 NONE NONE NONE NORML	<1 0 NEG NONE NONE NONE NORML	<1 <1 NEG MODER NONE NONE SOLID	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 >0.2 NONE NONE NONE NORML NORML	<1 0 NEG NONE NONE NONE NORML NORML NEG	<1 <1 NEG MODER NONE NONE SOLID NORML NEG	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>75 >20 >0.2 NONE NONE NORML NORML >0.2	<1 0 NEG NONE NONE NORML NORML NEG	<1 <1 NEG MODER NONE SOLID NORML NEG 0	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gpm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>75 >20 >0.2 NONE NONE NORML >0.2	<1 0 NEG NONE NONE NORML NORML NEG <1 2	<1 <1 NEG MODER NONE SOLID SOLID NORML NEG 0 <1	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NORML NORML >0.2	<1 0 NEG NONE NONE NORML NORML NEG <1 2 0	<1 <1 NEG MODER NONE SOLID NORML NEG 0 <1 0	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NORML >0.2	<1 0 NEG NONE NONE NORML NORML NEG <1 2 0 0	<1 <1 NEG MODER NONE SOLID NORML NEG 0 <1 0 0	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar gpm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NORME NORML >0.2 50 15 15	<1 0 NEG NONE NONE NORML NORML NEG <1 2 0 0 0 0	<1 <1 NEG MODER NONE SOLID NORML NEG 0 <1 0 0 0 0 0	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NORML NORML >0.2 50 15 15	<1 0 NEG NONE NONE NORML NORML NEG <1 2 0 0 0 0 0 0 0	<1 <1 NEG MODER NONE SOLID NORML NORML NEG 0 <1 0 0 <1 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Malybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NORML NORML >0.2 50 15 15 50 50	<1 0 NEG NONE NONE NORML NORML NEG <1 2 0 0 0 0 0 0 0 0	<1 <1 NEG MODER NONE SOLID NORML NEG 0 <1 0 <1 <1 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NORME NORML >0.2 50 15 15 50 50 350	<1 0 NEG NONE NONE NORML NORML NEG <1 2 0 0 0 0 0 0 0 0 0 1 369	<1 <1 NEG MODER NONE SOLID NORML NEG 0 <1 0 <1 <1 384 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NONE NORML >0.2 50 15 15 50 50 50 350 100	<1 0 NEG NONE NONE NORML NORML NEG <1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<1 <1 NEG MODER NONE SOLID NORML NEG 0 <1 0 <1 <1 384 <1 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >0.2 NONE NORME NORML >0.2 50 15 15 50 50 350	<1 0 NEG NONE NONE NORML NORML NEG <1 2 0 0 0 0 0 0 0 0 0 1 369	<1 <1 NEG MODER NONE SOLID NORML NEG 0 <1 0 <1 <1 384 	

Contact/Location: MICHAEL LAWSON - BUCGRA



Ferrous Alloys 10 ppm 0 Feb 17/24 SCI CIVE IV Non-ferrous Metals 10 lead maa Viscosity @ 40°C 270 260 250 240 230 C20 (40°C) 210 200 190 180 Abnorma 170 Mav2/23 Feb17/24

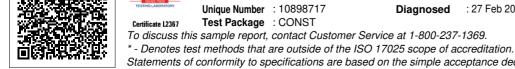


Received

Diagnosed

Tested

BUCKNER HEAVY LIFT : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 26 Feb 2024 4732 NC 54 EAST : 27 Feb 2024 GRAHAM, NC : 27 Feb 2024 - Wes Davis US 27253-9215 Contact: MICHAEL LAWSON michaell@bucknercompanies.com T: (336)376-8888 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (336)376-4090



Report Id: BUCGRA [WUSCAR] 06100487 (Generated: 02/27/2024 14:40:28) Rev: 1

Laboratory

Sample No.

Lab Number : 06100487

Unique Number : 10898717

Test Package : CONST

: WC0873176

Contact/Location: MICHAEL LAWSON - BUCGRA

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