

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

CR1216 Component Front Left 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

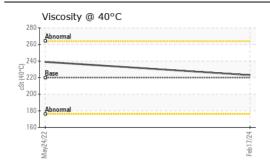
There is no indication of any contamination in the oil.

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		WC0873282	WC0687199	
Sample Date		Client Info		17 Feb 2024	24 May 2022	
Machine Age	hrs	Client Info		3481	1974	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
			. 500	·····	0	
Iron Chromium	ppm	ASTM D5185m ASTM D5185m	>500 >10	3 0	3	
Nickel	ppm	ASTM D5185m		0	<1	
Titanium	ppm	ASTM D5185m	>10	0	0 <1	
Silver	ppm	ASTM D5185m			<1	
	ppm	ASTM D5185m	► OF	0		
Aluminum	ppm		>25	0	0	
Lead	ppm	ASTM D5185m ASTM D5185m	>25	1	1	
Copper	ppm		>50	<1	<1	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Vanadium	ppm	ASTM D5185m			<1 NONE	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	<1	2	
Potassium	ppm	ASTM D5185m	>20	<1	23	
Water		WC Method	>0.2	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt				e=	NONE	
	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual *Visual	NONE NORML	-	-	
Appearance Odor			_	NONE	NONE	
•••	scalar	*Visual	NORML	NONE NORML	NONE	
Odor Emulsified Water	scalar scalar scalar	*Visual *Visual *Visual	NORML	NONE NORML NORML NEG	NONE NORML NORML NEG	
Odor Emulsified Water Sodium	scalar scalar scalar ppm	*Visual *Visual *Visual ASTM D5185m	NORML NORML >0.2	NONE NORML NORML NEG	NONE NORML NORML NEG 8	
Odor Emulsified Water Sodium Boron	scalar scalar scalar ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m	NORML NORML >0.2	NONE NORML NORML NEG <1 2	NONE NORML NORML NEG 8 1	
Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >0.2 50 15	NONE NORML NORML NEG <1 2 0	NONE NORML NEG 8 1 0	
Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >0.2	NONE NORML NORML NEG <1 2 0 0	NONE NORML NEG 8 1 0 <1	
Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >0.2 50 15 15	NONE NORML NEG <1 2 0 0 0 0	NONE NORML NEG 8 1 0 <1 0	
Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >0.2 50 15 15 50	NONE NORML NEG <1 2 0 0 0 0 0 0	NONE NORML NEG 8 1 0 <1 0 2	
Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >0.2 50 15 15 50 50	NONE NORML NEG <1 2 0 0 0 0 0 0 0 0 0	NONE NORML NEG 8 1 0 <1 0 2 2 2	
Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >0.2 50 15 15 50 50 350	NONE NORML NEG <1 2 0 0 0 0 0 0 2 1 356	NONE NORML NEG 8 1 0 <1 0 2 2 2 108	
Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >0.2 50 15 15 50 50 350 100	NONE NORML NEG <1 2 0 0 0 0 0 0 0 2 1 356 0	NONE NORML NEG 8 1 0 <1 0 <1 0 2 2 2 108 0	
Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML >0.2 50 15 15 50 50 350	NONE NORML NEG <1 2 0 0 0 0 0 0 2 1 356	NONE NORML NEG 8 1 0 <1 0 2 2 2 108	

Contact/Location: MICHAEL LAWSON - BUCGRA



Ferrous Alloys 10 mdd 0 Feb 17/24 Non-ferrous Metals 10 lead maa eb17/24 Viscosity @ 40°C 270 260 250 240 230 cSt (40°C) 210 200 190 180 Abnorma 170 Feb17/24 Mav24/22



BUCKNER HEAVY LIFT Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0873282 Received : 26 Feb 2024 4732 NC 54 EAST Lab Number : 06100502 : 27 Feb 2024 GRAHAM, NC Tested Unique Number : 10898732 Diagnosed : 27 Feb 2024 - Wes Davis US 27253-9215 Test Package : CONST Contact: MICHAEL LAWSON Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. michaell@bucknercompanies.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (336)376-8888 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (336)376-4090

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