

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id **CR4416 - FRONT** Component **Left Inner Planetary** 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

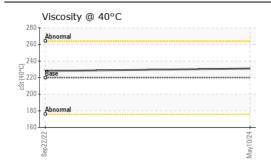
There is no indication of any contamination in the oil.

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		WC0935950	WC0556211	
Sample Date		Client Info		10 May 2024	22 Sep 2022	
Machine Age	hrs	Client Info		9594	6260	
Oil Age	hrs	Client Info		3334	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Not Changd	N/A	
Sample Status				NORMAL	ABNORMAL	
					10	
Iron	ppm	ASTM D5185m	>500	30	18	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m	>10	<1	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	05	1	<1	
Aluminum	ppm	ASTM D5185m	>25	<1	<1	
Lead	ppm	ASTM D5185m	>25	<1	<1	
Copper	ppm	ASTM D5185m	>75	2	3	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m	NONE	<1	<1	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	7	15	
Potassium	ppm	ASTM D5185m	>20	2	2	
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	2 NEG	2 NEG	
	ppm scalar					
Water		WC Method	>0.2	NEG	NEG	
Water Silt	scalar	WC Method *Visual	>0.2 NONE	NEG MODER	NEG MODER	
Water Silt Debris	scalar scalar	WC Method *Visual *Visual	>0.2 NONE NONE	NEG MODER NONE	NEG MODER	
Water Silt Debris Sand/Dirt	scalar scalar scalar	WC Method *Visual *Visual *Visual	>0.2 NONE NONE NONE	NEG MODER NONE NONE	NEG MODER MODER NONE	
Water Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>0.2 NONE NONE NONE NORML	NEG MODER NONE NONE NORML	NEG MODER MODER NONE NORML	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>0.2 NONE NONE NORML NORML	NEG MODER NONE NONE NORML NORML NEG	NEG MODER MODER NONE NORML NEG	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2	NEG MODER NONE NONE NORML NEG	NEG MODER MODER NONE NORML NEG 2	
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	>0.2 NONE NONE NORML NORML >0.2	NEG MODER NONE NORML NORML NEG <1 12	NEG MODER MODER NONE NORML NORML NEG 2 0	
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	 >0.2 NONE NONE NORML >0.2 50 15 	NEG MODER NONE NORML NORML NEG <1 12 0	NEG MODER MODER NORML NORML NEG 2 0 0	
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	>0.2 NONE NONE NORML NORML >0.2	NEG MODER NONE NONE NORML NORML NEG <1 12 0 <1	NEG MODER MODER NONE NORML NEG 2 0 0 0 2	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	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	>0.2 NONE NONE NORML >0.2 50 15 15	NEG MODER NONE NORML NORML NEG <1 12 0 <1 12 0 <1 12	NEG MODER MODER NORML NORML NEG 2 0 0 0 4 1	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum 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	 >0.2 NONE NORME NORML >0.2 50 15 50 	NEG MODER NONE NORML NORML NEG <1 12 0 <1 12 0 <1 12 12	NEG MODER MODER NORML NORML NEG 2 0 0 2 0 1 1 0	
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 ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 50 15 50 50 50 50 	NEG MODER NONE NORE NORML NORML NEG <1 12 0 <1 <1 <1 <1 <1 <1 <1 10	NEG MODER MODER NORML NORML NEG 2 0 0 2 0 0 4 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar ppm 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	 >0.2 NONE NONE NORML >0.2 50 15 15 50 50 350 	NEG MODER NONE NORML NORML NEG <1 12 0 <1 12 0 <1 12 1 12 0 <1 12 1 12	NEG MODER MODER NORML NORML NEG 2 0 2 1 0 1 0 0 448	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar ppm 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	 >0.2 NONE NONE NORML NORML >0.2 50 15 15 50 50 350 100 	NEG MODER NONE NORE NORML NORML NEG <1 12 0 <1 12 0 <1 12 12 0 <1 12 0 410 9	NEG MODER MODER NORML NORML NEG 2 0 1 0 1 0 448 0	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar ppm 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	 >0.2 NONE NONE NORML >0.2 50 15 15 50 50 350 	NEG MODER NONE NORML NORML NEG <1 12 0 <1 12 0 <1 12 1 12 0 <1 12 1 12	NEG MODER MODER NORML NORML NEG 2 0 2 1 0 1 0 0 448	

Contact/Location: MICHAEL LAWSON - BUCGRA



Ferrous Alloys 30 28 26 24 22 20 18 16 10 0 lav10/24 Non-ferrous Metals 10 lead ШQ Viscosity @ 40°C 270 260 250 240 230 cSt (40°C) 210 200 190 180 Abnorma 170 May10/24 Sen22/27



: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **BUCKNER HEAVY LIFT** Laboratory Sample No. : WC0935950 Received : 28 May 2024 4732 NC 54 EAST Lab Number : 06193102 Tested : 30 May 2024 GRAHAM, NC Unique Number : 11049854 Diagnosed : 30 May 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

Contact/Location: MICHAEL LAWSON - BUCGRA Page 2 of 2