

# WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

#### Machine Id HC2229 Component 1 Swing Drive Fluid GEAR OIL ISO 220 (--- GAL)

## RECOMMENDATION

Resample at the next service interval to monitor.

#### WEAR

All component wear rates are normal.

### CONTAMINATION

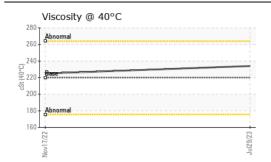
There is no indication of any contamination in the oil.

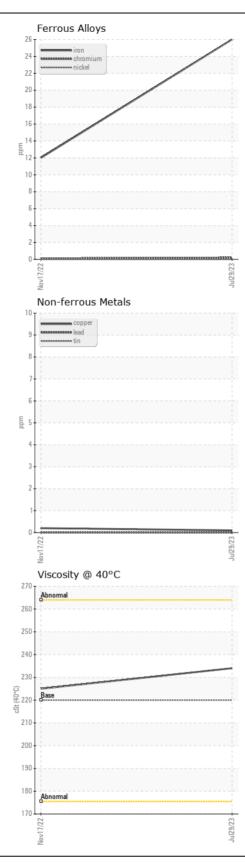
## FLUID CONDITION

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

Test						
1001	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0810376	WC0720450	
Sample Date		Client Info		29 Jul 2023	17 Nov 2022	
Machine Age	hrs	Client Info		6455	5125	
Oil Age	hrs	Client Info		0	717	
Filter Age	hrs	Client Info		0	717	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Changed	Changed	
Sample Status			NORMAL	ATTENTION		
Iron	ppm	ASTM D5185m	>400	26	12	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m	210	0	0	
Silver	ppm	ASTM D5185m		0	1	
Aluminum	ppm	ASTM D5185m	>25	0	<1	
Lead	ppm	ASTM D5185m	>50	0	0	
Copper	ppm	ASTM D5185m	>200	<1	<1	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m	210	0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Scalar	•15041			NONE	
Silicon	ppm	ASTM D5185m	>50	18	10	
Potassium	ppm	ASTM D5185m	>20	<1	<1	
Water		WC Method	>0.2	NEG	NEG	
					NEG	
Silt	scalar	*Visual	NONE	NONE	NONE	
Silt Debris	scalar scalar	*Visual *Visual	NONE NONE			
				NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Debris Sand/Dirt	scalar scalar	*Visual *Visual	NONE	NONE NONE NONE	NONE NONE NONE	
Debris Sand/Dirt Appearance	scalar scalar scalar	*Visual *Visual *Visual	NONE NONE NORML	NONE NONE NORE	NONE NONE NONE SOLID	
Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NORML NORML	NONE NONE NORE NORML	NONE NONE SOLID NORML	
Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar ppm	*Visual *Visual *Visual *Visual *Visual	NONE NORML NORML	NONE NONE NORML NORML NEG	NONE NONE SOLID NORML NEG	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE NORML NORML >0.2	NONE NONE NORML NORML NEG 0	NONE NONE SOLID NORML NEG	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE NORML NORML >0.2	NONE NONE NORML NORML NEG 0 0	NONE NONE SOLID NORML NEG 0 0	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE NORML NORML >0.2 50 15	NONE NONE NORML NORML NEG 0 0	NONE NONE SOLID NORML NEG 0 0	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.2 50 15	NONE NONE NORML NORML NEG 0 0 1 0	NONE NONE SOLID NORML NEG 0 0 0 0	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.2 50 15 15	NONE NONE NORML NORML NEG 0 0 1 0 1 0 2	NONE NONE SOLID NORML NEG 0 0 0 0 0 0 2	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.2 50 15 15 50	NONE NONE NORML NORML NEG 0 0 1 0 1 0 2 1 0 2 1	NONE NONE SOLID NORML NEG 0 0 0 0 0 0 1 0 0	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.2 50 15 15 50 50	NONE NONE NORML NORML NEG 0 0 1 0 1 0 <1 <1 <1 <1	NONE NONE SOLID NORML NEG 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Malybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML >0.2 50 15 15 50 50 50 350	NONE NONE NORML NORML NEG 0 1 0 1 0 <1 <1 <1 <1 <1 <1 371	NONE NONE SOLID NORML NEG 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

Contact/Location: MICHAEL LAWSON - BUCGRA





: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **BUCKNER HEAVY LIFT** Received : 15 Aug 2023 4732 NC 54 EAST GRAHAM, NC Tested : 16 Aug 2023 Diagnosed : 17 Aug 2023 - Don Baldridge US 27253-9215 Contact: MICHAEL LAWSON 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



Report Id: BUCGRA [WUSCAR] 05925612 (Generated: 04/01/2024 10:34:06) Rev: 1

Laboratory

Sample No.

Lab Number : 05925612

Unique Number : 10605559

Test Package : CONST

: WC0810376

Contact/Location: MICHAEL LAWSON - BUCGRA

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