

## Machine Id CR5503 - INNER Component Front Right Planetary Fluid GEAR OIL ISO 220 (--- GAL)

## RECOMMENDATION

**WEAR** 

rates are normal.

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Bearing and/or bushing wear is indicated. All other component wear

	Test	UOM	Method	Limit/Abn	Current	History1	History2
e	Sample Number		Client Info		WC0952098	WC0877341	
	Sample Date		Client Info		14 Jun 2024	19 Jan 2024	
	Machine Age	hrs	Client Info		10882	10142	
	Oil Age	hrs	Client Info		740	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Not Changd	Changed	
	Sample Status				ABNORMAL	NORMAL	
	Iron	ppm	ASTM D5185m	>500	17	28	
	Chromium	ppm	ASTM D5185m	>10	0	0	
	Nickel	ppm	ASTM D5185m	>10	<1	0	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>25	<1	0	
	Lead	ppm	ASTM D5185m	>25	0	0	
	Copper	ppm	ASTM D5185m	>75	<b>4</b> 99	18	
	Tin	ppm	ASTM D5185m	>10	1	4	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Silicon	ppm	ASTM D5185m	>75	<1	1	
	Potassium	ppm	ASTM D5185m	>20	2	0	
	Water		WC Method	>0.2	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	MODER	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
	Sodium	ppm	ASTM D5185m		<1	0	
	Boron	ppm	ASTM D5185m	50	5	7	
	Barium	ppm	ASTM D5185m	15	0	0	
	Molybdenum	ppm	ASTM D5185m	15	0	0	
	Manganese	ppm	ASTM D5185m		<1	0	
	Magnesium	ppm	ASTM D5185m	50	2	0	
	Calcium	ppm	ASTM D5185m	50	237	0	
	Phosphorus	ppm	ASTM D5185m	350	310	327	
	Zinc	ppm	ASTM D5185m	100	83	11	
	Culfur	nom	ACTM DE105m	12500	4504	1022	

ASTM D5185m 12500

ppm

CONTAMINATION

There is no indication of any contamination in the oil.

## **FLUID CONDITION**

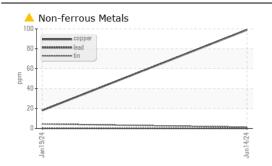
The condition of the oil is acceptable for the time in service.

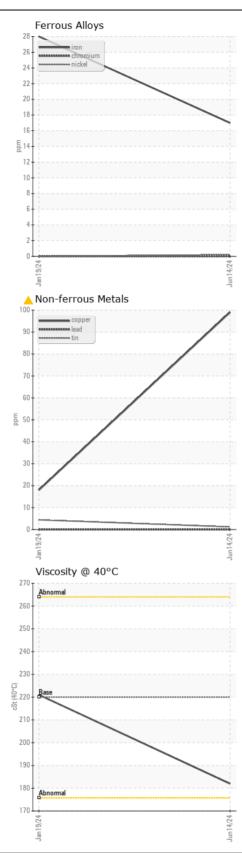
Sulfur

Contact/Location: MICHAEL LAWSON - BUCGRA

4933

4594





: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **BUCKNER HEAVY LIFT** Laboratory Sample No. : WC0952098 Received : 24 Jun 2024 4732 NC 54 EAST : 25 Jun 2024 Lab Number : 06218957 Tested GRAHAM, NC Unique Number : 11097154 Diagnosed : 26 Jun 2024 - Don Baldridge 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