WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Machine Id

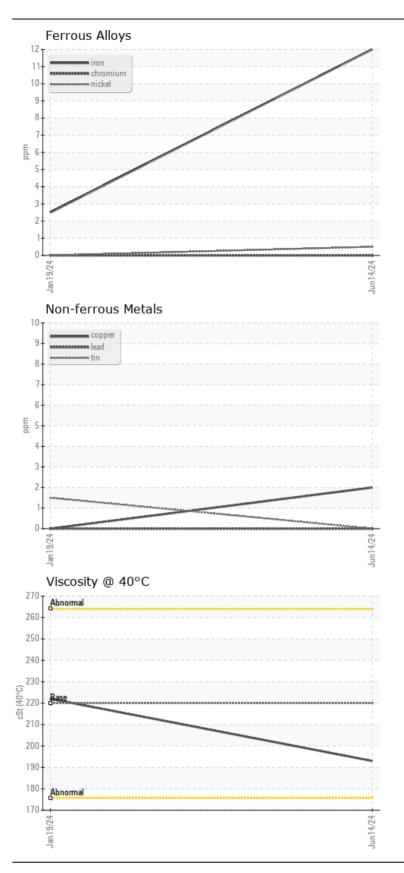
**CR5503** 

Component

1 Swing Drive

GEAR OIL ISO 220 (--- GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0952000	WC0877402	
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				NORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>400	12	2	
Chromium		ASTM D5185m	>10	0	0	
Nickel				<1	0	
Titanium		ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	<1	0	
Lead	ppm	ASTM D5185m	>50	0	0	
Copper	ppm	ASTM D5185m	>200	2	0	
Tin	ppm	ASTM D5185m	>10	0	2	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	nnm	ASTM D5185m	>50	_1	2	
	ρρ					
	scalar					
Debris						
Sand/Dirt			NONE		NONE	
Appearance	scalar	*Visual	NORML		NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium	maa	ASTM D5185m		<1	0	
Boron			50	6	13	
Barium				0	0	
Molybdenum	ppm			0	0	
Manganese	ppm	ASTM D5185m		<1	0	
			F0	2	0	
Magnesium	ppm	ASTM D5185m	50	2	U	
_	ppm ppm	ASTM D5185m ASTM D5185m		367	0	
Magnesium			50			
Magnesium Calcium	ppm	ASTM D5185m	50 350	367	0	
_	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status  Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status  Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Silt scalar Sand/Dirt scalar Sand/Dirt scalar Appearance scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Client Info Oil Age hrs Client Info Client Info Oil Changed Client Info Oil Changed Client Info Client Info Client Info Client Info Client Info Sample Status  Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Visual Silicon ppm ASTM D5185m Vater WC Method Silt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Sand/Dirt scalar *Visual Sand/Dirt scalar *Visual Sand/Dirt scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Sand/Dirt Appearance scalar *Visual	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Client Info Oil Age hrs Client Info Oil Changed Filter Age Oil Changed Filter Changed Sample Status  Iron Chromium ppm ASTM D5185m >10 Nickel ppm ASTM D5185m Silver ppm ASTM D5185m Aluminum ppm ASTM D5185m Aluminum ppm ASTM D5185m Aluminum ppm ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m  Aluminum ppm ASTM D5185m >25 Lead ppm ASTM D5185m >50 Copper ppm ASTM D5185m >200 Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE Silicon ppm ASTM D5185m >20 Water WC Method >0.2 Silt scalar *Visual NONE Sand/Dirt scalar *Visual NORML Emulsified Water scalar *Visual NORML Emulsified Water scalar *Visual NORML Scalar *Visual NORML Emulsified Water scalar *Visual NORML Emulsified Water scalar *Visual NORML Scalar *Visual NORML Emulsified Water scalar *Visual NORML Emulsified Water scalar *Visual NORML Scalar *Visual NORML Emulsified Water scalar *Visual NORML Emulsified Water scalar *Visual NORML	Sample Number         Client Info         WC0952000           Sample Date         Client Info         14 Jun 2024           Machine Age         hrs         Client Info         10882           Oil Age         hrs         Client Info         740           Filter Age         hrs         Client Info         0           Oil Changed         Client Info         Changed           Filter Changed         Client Info         Not Changed           Not Changed         Not Changed         Not Changed           Filter Changed         Client Info         Not Changed           Not Changed         Not Changed         Not Changed           Filter Changed         Client Info         Changed           Not Changed         Not Changed         Not Changed           Not Status         Not Changed         Not Changed           Salter Park         ASTM D5185m         >10         0           Valual D5185m         None         None<	Sample Number         Client Info         WC0952000         WC0877402           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         Changed         Changed           Filter Changed         Client Info         Not Changed         Changed           Sample Status         NORMAL         NORMAL         NORMAL           Iron         ppm         ASTM D5185m         >400         12         2           Chromium         ppm         ASTM D5185m         >40         0         0           Nickel         ppm         ASTM D5185m         >10         0         0           Nickel         ppm         ASTM D5185m         >10         0         0           Silver         ppm         ASTM D5185m         >20         0         0           Aluminum         ppm         ASTM D5185m         >20         2         0           Lead         ppm         ASTM D5185m         >20         2         0           Copper </td





Certificate L2367

Laboratory Sample No.

: WC0952000 Lab Number : 06218965 Unique Number : 11097162 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Jun 2024 : 25 Jun 2024 **Tested** Diagnosed

: 26 Jun 2024 - Don Baldridge

**BUCKNER HEAVY LIFT** 4732 NC 54 EAST GRAHAM, NC US 27253-9215

Contact: MICHAEL LAWSON michaell@bucknercompanies.com

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To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)