

OIL ANALYSIS REPORT

Sample Rating Trend



CR1235 Component

2 Swing Drive

GEAR OIL ISO 220 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

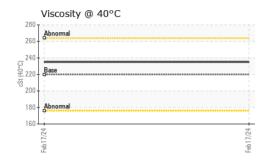
Fluid Condition

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

SAMPLE INFORMATION							
Sample Number Client Info WC0833553 Sample Date Client Info 17 Feb 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info Changed Oil Changed Changed Oil Changed			,		Feb 2024		
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 0 0 0 0 0 0	Sample Number		Client Info		WC0833353		
Oil Age hrs Client Info Changed	Sample Date		Client Info		17 Feb 2024		
Oil Changed Sample Status Client Info Changed NORMAL	Machine Age	hrs	Client Info		514		
CONTAMINATION	Oil Age	hrs	Client Info		0		
CONTAMINATION method limit/base current history1 history2 Water WC Method >0.2 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >400 5 Chromium ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >10 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >25 0 Aluminum ppm ASTM D5185m >20 0 Aluminum ppm ASTM D5185m >20 0 Copper ppm ASTM D5185m >10 <1 ASTM D5185m 50 0	Oil Changed		Client Info		Changed		
Water WC Method >0.2 NEG WEAR METALS method limilubase current history1 history2 Iron ppm ASTM D5185m >400 5 Chromium ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >10 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >50 <1 Aluminum ppm ASTM D5185m >50 <1 Lead ppm ASTM D5185m >20 0 Copper ppm ASTM D5185m >0 0 Tin ppm ASTM D5185m >10 <1 Cadmium ppm ASTM D5185m 50 0 Barium <th< td=""><td>Sample Status</td><td></td><td></td><td></td><td>NORMAL</td><td></td><td></td></th<>	Sample Status				NORMAL		
WEAR METALS method limil/base current history1 history2 Iron ppm ASTM D5185m >400 5 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >10 0 Titanium ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >50 <1 Lead ppm ASTM D5185m >50 <1 Copper ppm ASTM D5185m >10 <1 Lead ppm ASTM D5185m >10 <1 <t< th=""><th>CONTAMINATION</th><th>V</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	CONTAMINATION	V	method	limit/base	current	history1	history2
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Chromium	Iron	ppm	ASTM D5185m	>400	5		
Nickel	-		ASTM D5185m	>10	_		
Titanium							
Silver	Titanium		ASTM D5185m		0		
Aluminum					-		
Lead	Aluminum		ASTM D5185m	>25	0		
Copper ppm ASTM D5185m >200 0 Tin ppm ASTM D5185m >10 <1			ASTM D5185m	>50	<1		
Tin	Copper		ASTM D5185m	>200	0		
Vanadium ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 50 0 Barium ppm ASTM D5185m 15 1 Molybdenum ppm ASTM D5185m 15 0 Manganese ppm ASTM D5185m 15 0 Magnesium ppm ASTM D5185m 50 0 Magnesium ppm ASTM D5185m 50 0 Calcium ppm ASTM D5185m 50 0 Phosphorus ppm ASTM D5185m 12500 1831 Zinc ppm ASTM D5185m 12500 1831 <	• •		ASTM D5185m	>10	<1		
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Boron							
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Barium	Boron	maa	ASTM D5185m	50	0		
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Potassium ppm ASTM D5185m >20 4 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Codor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG							
White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORM NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual >0.2 NEG Emulsified Water scalar *Visual >0.2 NEG				>20	4		
Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG	White Metal	scalar	*Visual	NONE	NONE		
Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG	Yellow Metal	scalar	*Visual	NONE	NONE		
Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG	Precipitate	scalar	*Visual	NONE	NONE		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG	Silt	scalar	*Visual	NONE	NONE		
Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG	Debris	scalar	*Visual	NONE	NONE		
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG	Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >0.2 NEG	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
Free Water scalar *Visual NEG	Emulsified Water	scalar	*Visual	>0.2	NEG		
	Free Water	scalar	*Visual		NEG		

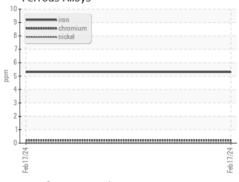


OIL ANALYSIS REPORT

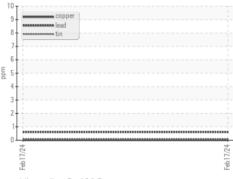




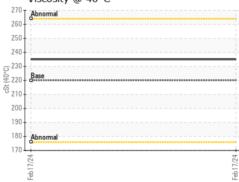
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C





Certificate L2367

Laboratory Sample No.

: WC0833353 Lab Number : 06100511 Unique Number : 10898741

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Feb 2024

Tested Diagnosed

BUCKNER - WILLIS 18123 HWY 75 NORTH : 27 Feb 2024

WILLIS, TX : 28 Feb 2024 - Don Baldridge US 77378

Test Package : CONST Contact: JOHN HAWKINS To discuss this sample report, contact Customer Service at 1-800-237-1369. johnh@bucknercompanies.com

* - 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)

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