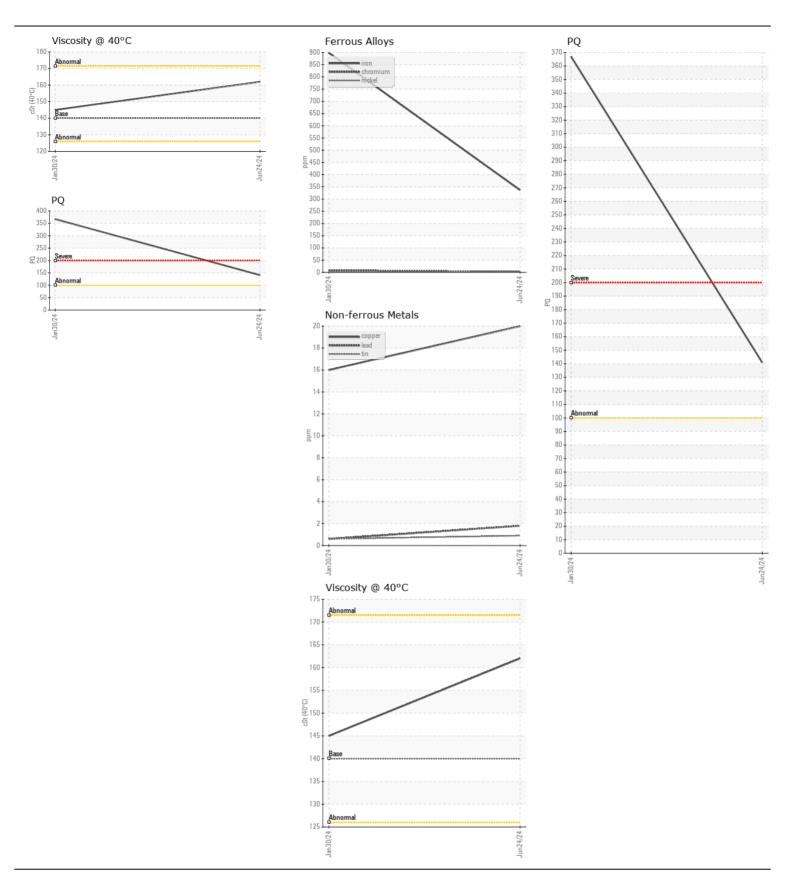
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

Machine Id

HAMM HC 120iP WGH0H252HHAA00249

Left Drum Gearbox

Test	UOM	Method	Limit/Abn	Current	History1	History2
	OOW		LIIIIU/AUII		-	
•						
·	hrs					
· ·						
_						
ū		Client Info				
-		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
PQ		ASTM D8184		141	367	
Iron	ppm	ASTM D5185m	>200	337	898	
Chromium		ASTM D5185m	>10	2	8	
Nickel	ppm	ASTM D5185m	>10	<1	2	
Titanium	ppm	ASTM D5185m		4	4	
Silver	ppm	ASTM D5185m		<1	0	
Aluminum	ppm	ASTM D5185m		3	4	
Lead	ppm	ASTM D5185m		2	<1	
Copper	ppm	ASTM D5185m		20	16	
Tin	ppm	ASTM D5185m		<1	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m		21	353	
Potassium	ppm	ASTM D5185m	>20	2	2	
Water		WC Method	>0.2	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual				
Emulsified Water	scalar	*Visual	>0.2	NEG	0.2%	
Sodium	ppm	ASTM D5185m		8	5	
Boron	ppm	ASTM D5185m	150	91	70	
Barium	ppm	ASTM D5185m		4	4	
Molybdenum	ppm	ASTM D5185m		<1	<1	
9	ppm			3	9	
Magnesium	ppm			3		
	ppm					
Phosphorus	ppm	ASTM D5185m		1313	1221	
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m		60 27399	175 23833	
	PQ 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 Molybdenum Manganese Magnesium Calcium	Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status PQ Iron ppm Chromium ppm Nickel ppm Titanium 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 Sand/Dirt scalar Sodium ppm Boron ppm Barium ppm Magnesium ppm	Sample Date Machine Age Machine Age Machine Age Mrs Client Info Client Info Filter Age Mrs Client Info Sample Status PQ ASTM D8184 Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Visual Scalar Yellow Metal Scalar *Visual Silicon ppm ASTM D5185m Water WC Method Silt Scalar *Visual Sand/Dirt Scalar *Visual Sand/Dirt Scalar *Visual Scalar *Visual Scalar *Visual Scalar Appearance Scalar Scalar *Visual Appearance Scalar Appearance Scalar Scalar *Visual Appearance Scalar Appearance Scalar Appearance Appearance Appearance Appearance Appearance Appearance Appearance Appearance Appearan	Sample Date Machine Age Mrs Client Info Oil Age Mrs Client Info Client Info Filter Age Mrs Client Info Client Info Client Info Oil Changed Filter Changed Sample Status PQ ASTM D8184 Iron Ppm ASTM D5185m Potassium Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Vone Visual NONE Silicon Ppm ASTM D5185m Potassium Ppm ASTM D5185m Valual NONE Sand/Dirt Scalar Visual NONE Sand/Dirt Scalar Visual NONE Sand/Dirt Scalar Visual NONE Sand/Dirt Scalar ASTM D5185m NONE Sand/Dirt ASTM D5185m NORML Appearance Scalar AVisual NORML MORML Emulsified Water Scalar ASTM D5185m MORML Barium Ppm ASTM D5185m Molybdenum Ppm ASTM D5185m Manganese Ppm ASTM D5185m Manganese Ppm ASTM D5185m Manganese Ppm ASTM D5185m Manganese Ppm ASTM D5185m Magnesium Ppm ASTM D5185m Magnesium Ppm ASTM D5185m Mastm D5185m Magnesium Ppm ASTM D5185m Mastm D5185m Magnesium Ppm ASTM D5185m Mastm D	Sample Date Client Info 24 Jun 2024 Machine Age hrs Client Info 1139 Oil Age hrs Client Info 1139 Filter Age hrs Client Info 0 Oil Changed Client Info N/A Filter Changed Client Info N/A Sample Status NORMAL PQ ASTM D8184 141 Iron ppm ASTM D5185m >200 337 Chromium ppm ASTM D5185m >10 2 Nickel ppm ASTM D5185m >10 2 Nickel ppm ASTM D5185m >10 <1	Sample Date Client Info 24 Jun 2024 30 Jan 2024 Machine Age hrs Client Info 1139 570 Oil Age hrs Client Info 1139 570 Filter Age hrs Client Info 0 0 Oil Changed Client Info N/A N/A Filter Changed Client Info N/A N/A Sample Status NORMAL NORMAL PQ ASTM D8184 141 367 Iron ppm ASTM D5185m >200 337 898 Chromium ppm ASTM D5185m >10 <1







Laboratory Sample No.

: JR0219698 Lab Number : 06224749 Unique Number : 11102946

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 01 Jul 2024 **Tested** : 02 Jul 2024

Diagnosed : 02 Jul 2024 - Don Baldridge Test Package : CONST (Additional Tests: PQ)

CARLTON'S BACKHOE 9550 STATESVILLE ROAD CHARLOTTE, NC US 28269

Contact: LEO

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)

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