

## WEAR NORMAL CONTAMINATION ABNORMAL FLUID CONDITION NORMAL

## **Contracting** Machine Id

## 5109 5109 Component Front Left Wheel Hub Fluid A D OH, O A D ZEWOO ( O A

GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION		Test	UOM	Method	Limit/Abn	Current	History1	History2
		Sample Number		Client Info		WC0939290		
The oil change at the time of samplin	g has been noted. Resample at	Sample Date		Client Info		22 May 2024		
the next service interval to monitor.		Machine Age	hrs	Client Info		3278		
		Oil Age	hrs	Client Info		1022		
		Filter Age	hrs	Client Info		0		
		Oil Changed		Client Info		Changed		
		Filter Changed		Client Info		Not Changd		
		Sample Status				ABNORMAL		
WEAR		Iron	ppm	ASTM D5185m	>500	375		
WEAT	1	Chromium	ppm	ASTM D5185m		5		
All component wear rates are norma	I.	Nickel	ppm	ASTM D5185m		2		
		Titanium	ppm	ASTM D5185m		_ <1		
		Silver	ppm	ASTM D5185m		<1		
		Aluminum	ppm	ASTM D5185m	>5	1		
		Lead	ppm	ASTM D5185m		- <1		
		Copper	ppm	ASTM D5185m		1		
		Tin	ppm	ASTM D5185m	200	<1		
		Vanadium	ppm	ASTM D5185m		<1		
		White Metal	scalar	*Visual	NONE	NONE		
		Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION		Silicon	ppm	ASTM D5185m		6		
There is a high amount of particulate	s present in the oil.	Potassium	ppm	ASTM D5185m		5		
······		Water		WC Method		NEG		
		Particles >4µm		ASTM D7647		A 37635		
		Particles >6µm		ASTM D7647		A 20502		
		Particles >14µm		ASTM D7647		▲ 3489		
	Particles >21µm		ASTM D7647		▲ 1175			
	Particles >38µm		ASTM D7647		▲ 181			
	Particles >71µm		ASTM D7647		▲ 19			
	Oil Cleanliness		ISO 4406 (c)		A 22/22/19			
	Silt Debris	scalar	*Visual	NONE	NONE			
	Sand/Dirt	scalar scalar	*Visual *Visual	NONE NONE	NONE NONE			
	Appearance	scalar	*Visual	NORML	NORML			
	Odor	scalar	*Visual	NORML	NORML			
		Emulsified Water		*Visual	>0.2	NEG		
		oodidi	viouur					
FLUID CONDITION		Sodium	ppm	ASTM D5185m		3		
The condition of the cil is accontable	for the time in service.	Boron	ppm	ASTM D5185m	400	28		
The condition of the oil is acceptable		Barium	ppm	ASTM D5185m		<1		
		Molybdenum	ppm	ASTM D5185m	12	2		
		Manganese	ppm	ASTM D5185m		8		
	Magnesium	ppm	ASTM D5185m		18			
	Calcium	ppm	ASTM D5185m		52			
		Phosphorus	ppm	ASTM D5185m		552		
		Zinc	ppm	ASTM D5185m	125	55		
		0.17		AOTH DELOF	00500	04700		

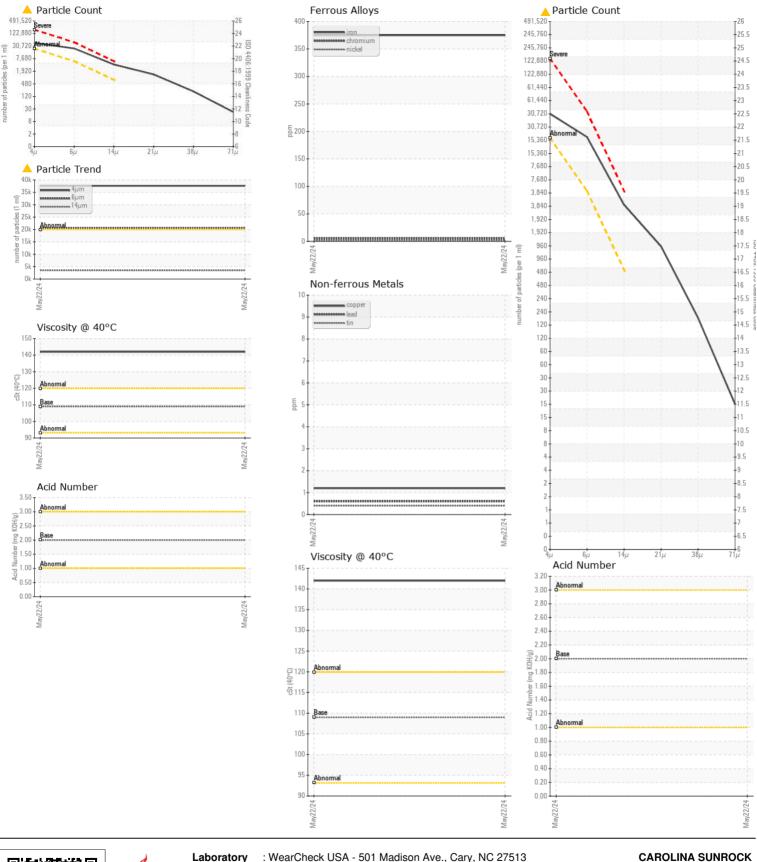
Sulfur Visc @ 40°C 21763

142

ppm ASTM D5185m 22500

ASTM D445 109

cSt



**CAROLINA SUNROCK** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0939290 Received PO BOX 25 : 28 May 2024 Lab Number : 06192733 Tested BUTNER, NC : 31 May 2024 : 31 May 2024 - Jonathan Hester US 27509 Unique Number : 11049485 Diagnosed Test Package : CONST (Additional Tests: PrtCount) Contact: Leigh Dennis Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. rdennis@thesunrockgroup.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (919)575-4505 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (919)575-0162

Contact/Location: Leigh Dennis - CARBUTNC Page 2 of 2