**OIL ANALYSIS REPORT** 

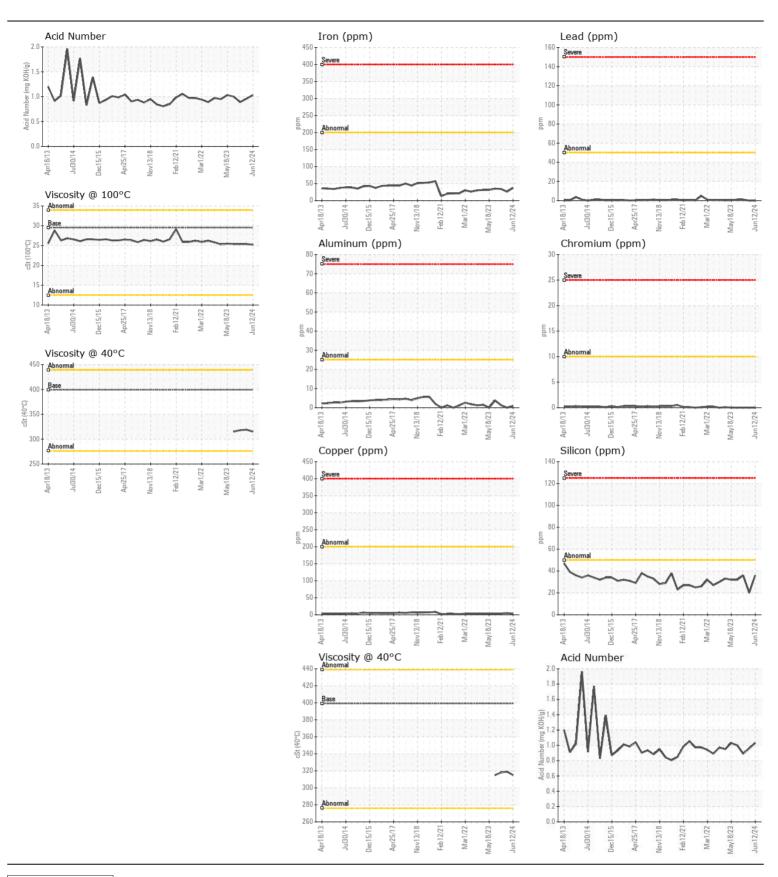
**WEAR** CONTAMINATION **FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

Machine Id

## 1 - 1 MIXER Component

Gearbox

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the component make and model with your next sample.	Sample Number		Client Info		TR06215907	TR06122581	TR0602954
	Sample Date		Client Info		12 Jun 2024	13 Mar 2024	21 Nov 202
	Machine Age	yrs	Client Info		0	0	0
	Oil Age	yrs	Client Info		0	0	0
	Filter Age	yrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>200	37	26	34
	Chromium	ppm	ASTM D5185m	>10	0	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	0	0	<1
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	<1	0	1
	Lead	ppm	ASTM D5185m	>50	0	0	<1
	Copper	ppm	ASTM D5185m	>200	3	5	4
	Tin	ppm	ASTM D5185m	>10	0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	36	20	36
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	0	2
	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	LIGHT
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	0	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		<1	0	0
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		2	1	3
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m		0	0	0
	_				44	10	0
	Calcium	ppm	ASTM D5185m		11		
	Calcium Phosphorus	ppm	ASTM D5185m		698	658	721
	Calcium Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m		698 11	658 10	0
	Calcium Phosphorus Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		698 11 20577	658 10 20816	0 18901
	Calcium Phosphorus Zinc Sulfur Acid Number (AN)	ppm ppm ppm mg KOH/g	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D8045		698 11 20577 1.03	658 10 20816 0.96	0 18901 0.89
	Calcium Phosphorus Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		698 11 20577	658 10 20816	0 18901





Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TR06215907 : 06215907

Received **Tested** Unique Number : 11088771

: 20 Jun 2024 : 22 Jun 2024 Diagnosed

: 22 Jun 2024 - Wes Davis

**CARLSTAR GROUP - FORMERLY CARLISLE TIRE** 520 JD YARNELL IND. PKWY CLINTON, TN

US 37716

Contact: JOHN GAINES

Test Package : MOB 2 (Additional Tests: KV100, VI) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-827-0711.

\* - 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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