

NORMAL WEAR CONTAMINATION NORMAL **FLUID CONDITION** NORMAL

OIL ANALYSIS REPORT

Machine Id **1 - 1 MIXER** Component Gearbox TRC 890 VARI-PURPOSE 85W140 (375 GAL)

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		TR06029540	TR05939829	TR05854473
	Sample Date		Client Info		21 Nov 2023	30 Aug 2023	18 May 2023
	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	34	35	31
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	0	0	0
	Nickel	ppm	ASTM D5185m	>10	<1	0	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	1	4	0
	Lead	ppm	ASTM D5185m	>50	<1	<1	<1
	Copper	ppm	ASTM D5185m	>200	4	3	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	32	32
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	2	2	1
	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	<1	0
	Boron	ppm	ASTM D5185m		0	0	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		3	2	3
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		0	2	<1
	Calcium	ppm	ASTM D5185m		0	8	12
	Phosphorus	ppm	ASTM D5185m		721	741	681
	Zinc	ppm	ASTM D5185m		0	6	11
	Sulfur	ppm	ASTM D5185m		18901	23685	16747
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.89	1.00	1.03

Visc @ 40°C cSt ASTM D445 399

Viscosity Index (VI) Scale ASTM D2270

ASTM D445 29.5

Visc @ 100°C cSt

315

25.4

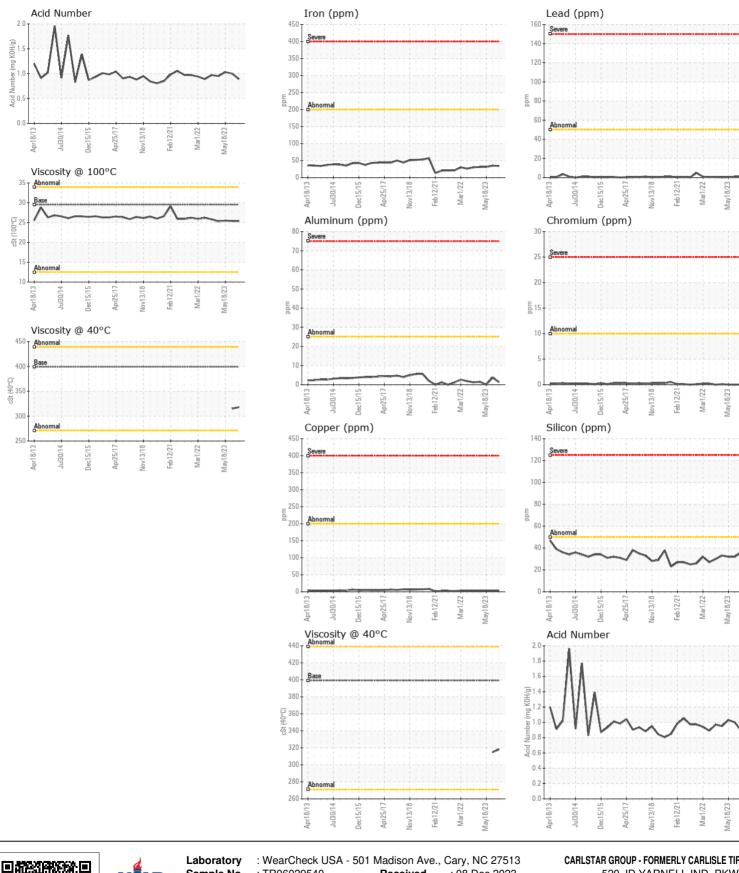
104

318

25.4

103

25.5



CARLSTAR GROUP - FORMERLY CARLISLE TIRE Sample No. Received :08 Dec 2023 520 JD YARNELL IND. PKWY : TR06029540 : 06029540 : 11 Dec 2023 CLINTON, TN Lab Number Tested Unique Number : 10779331 : 11 Dec 2023 - Wes Davis US 37716 Diagnosed Test Package : MOB 2 (Additional Tests: KV100, VI) Contact: JOHN GAINES 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. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (865)463-3696

Contact/Location: JOHN GAINES - CARCLIUS