

**OIL ANALYSIS REPORT** 

## Machine Id **10 - GUM COLANDER** Component **Gearbox** Fluid **TRC 890 VARI-PURPOSE 85W140 (13 GAL)**

	RECOMMENDATION
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Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

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All component wear rates are normal.

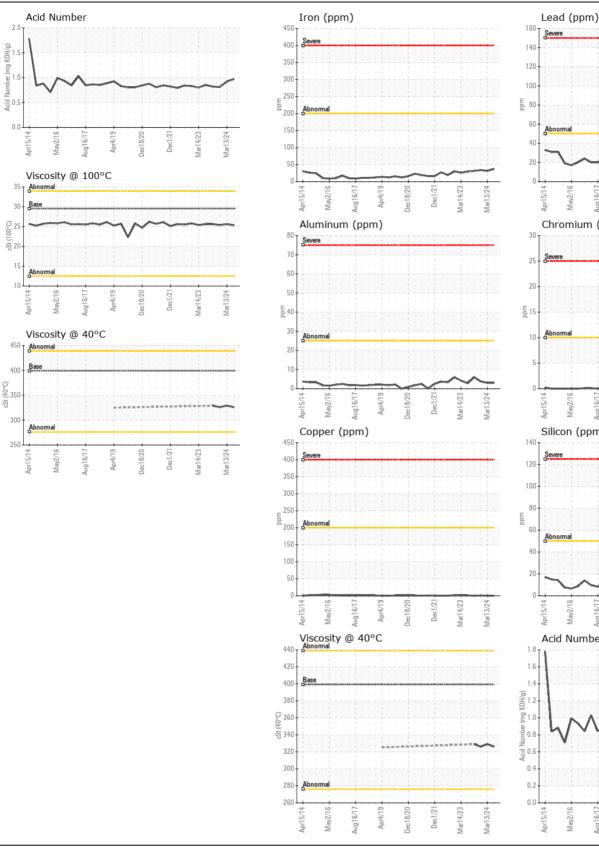
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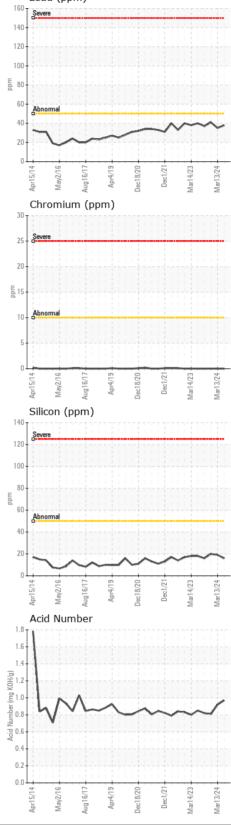
There is no indication of any contamination in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06215904	TR06122583	TR06029536
Sample Date		Client Info		10 Jun 2024	13 Mar 2024	21 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	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	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>200	37	31	34
Chromium	ppm	ASTM D5185m	>10	0	0	0
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	3	3	4
Lead	ppm	ASTM D5185m	>50	38	35	41
Copper	ppm	ASTM D5185m	>200	<1	0	<1
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
0'''				40	40	
Silicon	ppm	ASTM D5185m	>50	16	19	20
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	MODER
Debris	scalar	*Visual	NONE	NONE	A MODER	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
Sodium	ppm	ASTM D5185m		1	0	0
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m		<1	<1	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		2	<1	2
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		4	4	0
Phosphorus	ppm	ASTM D5185m		572	499	586
Zinc	ppm	ASTM D5185m		10	6	0
Sulfur	ppm	ASTM D5185m		20022	19179	18100
Acid Number (AN)	mg KOH/g	ASTM D8045		0.97	0.92	0.81
Visc @ 40°C	cSt	ASTM D445	399	326	329	326
Visc @ 100°C	cSt	ASTM D445	29.5	25.3	25.6	25.4
Viscosity Index (VI)	Scale	ASTM D2270		100	101	100
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**CARLSTAR GROUP - FORMERLY CARLISLE TIRE** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : TR06215904 Received : 20 Jun 2024 520 JD YARNELL IND. PKWY : 06215904 CLINTON, TN Lab Number Tested : 22 Jun 2024 Unique Number : 11088768 : 22 Jun 2024 - 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 Page 2 of 2