

Machine Id **18 - 2 TREAD LINE GUM CUSHION** Component Gearbox Fluid

TRC 890 VARI-PURPOSE 85W140 (22 GAL)

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Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

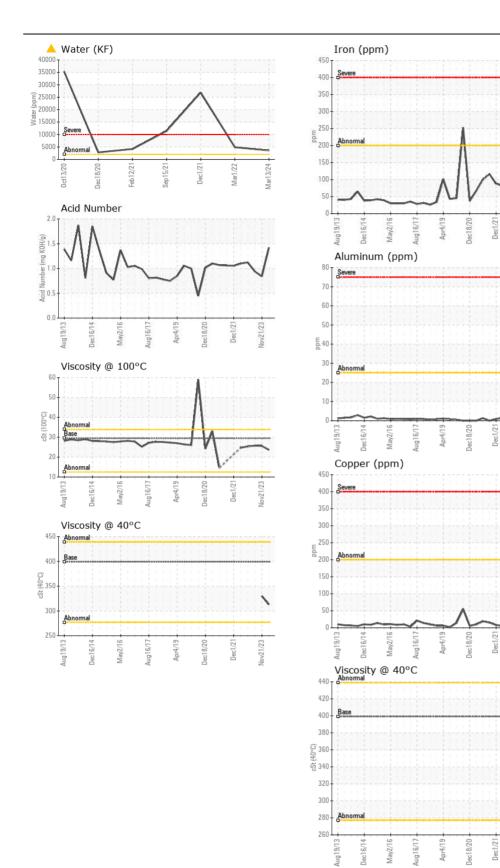
CONTAMINATION

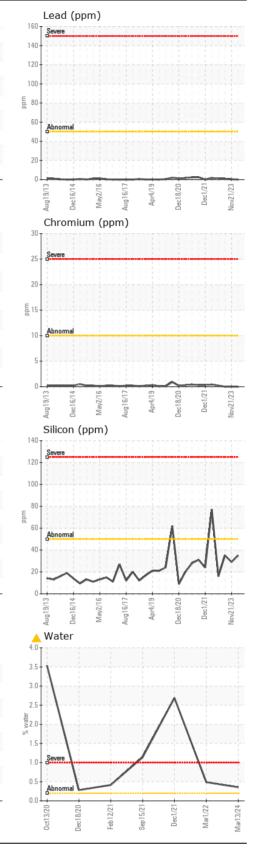
There is a light concentration of water present in the oil.

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		TR06122589	TR06029533	TR05854467
	Sample Date		Client Info		13 Mar 2024	21 Nov 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				MARGINAL	NORMAL	NORMAL
	Iron	0000	ASTM D5185m	>200	13	6	7
	Chromium	ppm	ASTM D5185m	>10	0	0	0
	Nickel	ppm ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m	>10	0	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	1	<1	0
	Lead	ppm	ASTM D5185m	>50	0	<1	<1
	Copper	ppm	ASTM D5185m	>200	2	2	2
	Tin	ppm	ASTM D5185m	>10	0	0	0
	Vanadium	ppm	ASTM D5185m	~10	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
		Jourun					
	Silicon	ppm	ASTM D5185m	>50	35	29	35
	Potassium	ppm	ASTM D5185m	>20	1	1	<1
	Water	%	ASTM D6304	>0.2	A 0.355		
	ppm Water	ppm	ASTM D6304	>2000	A 3550		
	Silt	scalar	*Visual	NONE	NONE	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	A 0.2%	NEG	NEG
	Sodium	ppm	ASTM D5185m		3	0	0
	Boron	ppm	ASTM D5185m		<1	50	49
	Barium	ppm	ASTM D5185m		14	0	0
	Molybdenum	ppm	ASTM D5185m		0	<1	<1
	Manganese	ppm	ASTM D5185m		<1	<1	0
	Magnesium	ppm	ASTM D5185m		6	0	2
	Calcium	ppm	ASTM D5185m		46	78	109
	Phosphorus	ppm	ASTM D5185m		814	726	704
	Zinc	ppm	ASTM D5185m		27	0	4
	Sulfur	ppm	ASTM D5185m		25052	18838	16701
	Acid Number (AN)	mg KOH/g	ASTM D8045		1.42	0.84	0.94
	Visc @ 40°C	cSt	ASTM D445	399	313	330	
	Visc @ 100°C	cSt	ASTM D445	29.5	23.6	25.6	25.8
	Viscosity Index (VI)	Scale	ASTM D2270		94	100	
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CARLSTAR GROUP - FORMERLY CARLISLE TIRE Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : TR06122589 : 19 Mar 2024 520 JD YARNELL IND. PKWY Received : 06122589 : 20 Mar 2024 CLINTON, TN Lab Number Tested Unique Number : 10936740 : 21 Mar 2024 - Don Baldridge US 37716 Diagnosed Test Package : MOB 2 (Additional Tests: KF, 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

Nov21/23 -

Report Id: CARCLIUS [WUSCAR] 06122589 (Generated: 03/21/2024 15:03:18) Rev: 1

Contact/Location: JOHN GAINES - CARCLIUS