

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

**OIL ANALYSIS REPORT** 

## Machine Id **19 - BEAD FORMER** Component **Gearbox** Fluid **TRC 890 VARI-PURPOSE 85W140 (14 GAL)**

RECOMMENDATION	
Besample at the next service interval	to monitor

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.

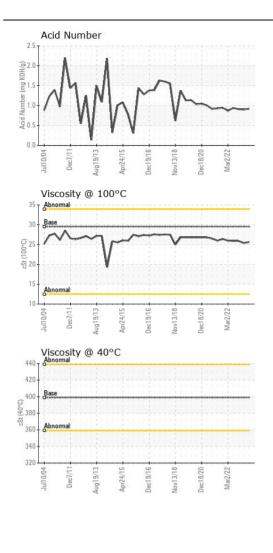
## CONTAMINATION

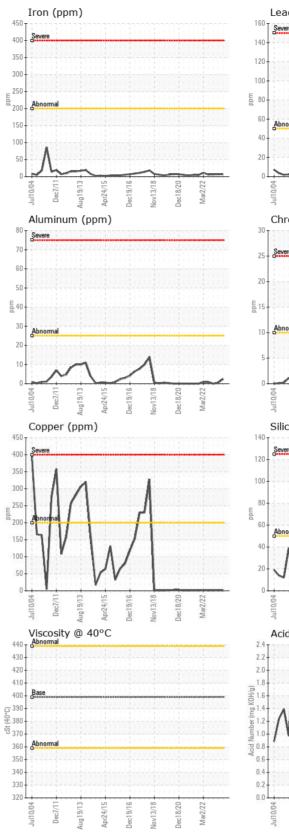
There is no indication of any contamination in the oil.

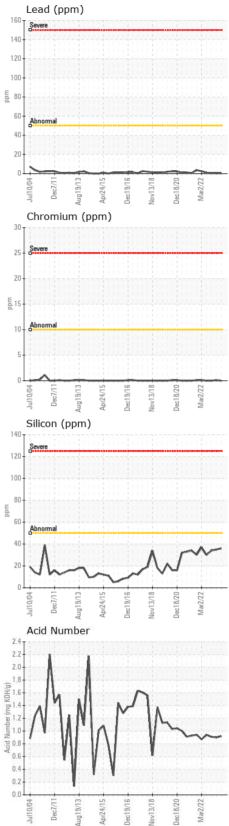
## FLUID CONDITION

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
Sam	ole Number		Client Info		TR05939818	TR05802544	TR05713708
Sam	ple Date		Client Info		30 Aug 2023	14 Mar 2023	06 Dec 2022
Mach	nine Age	yrs	Client Info		0	0	0
Oil A	ge	yrs	Client Info		0	0	0
Filter	Age	yrs	Client Info		0	0	0
Oil C	hanged		Client Info		N/A	N/A	N/A
Filter	r Changed		Client Info		N/A	N/A	N/A
Sam	ple Status				NORMAL	NORMAL	NORMAL
					_	_	
Iron		ppm	ASTM D5185m	>200	7	7	6
	mium	ppm	ASTM D5185m	>10	0	<1	0
Nick	-	ppm	ASTM D5185m	>10	0	<1	<1
Titan		ppm	ASTM D5185m		0	0	0
Silve		ppm	ASTM D5185m	0.5	0	0	3
	ninum	ppm	ASTM D5185m	>25	2	<1	0
Lead		ppm	ASTM D5185m	>50	<1	<1	<1
Copp	ber	ppm	ASTM D5185m	>200	1	2	2
Tin		ppm	ASTM D5185m	>10	0	0	0
	adium	ppm	ASTM D5185m		0	0	0
-	e Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yello	w Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silico	on	ppm	ASTM D5185m	>50	36	35	34
Pota	ssium	ppm	ASTM D5185m	>20	1	<1	0
Wate	er		WC Method	>0.2	NEG	NEG	NEG
Silt		scalar	*Visual	NONE	NONE	NONE	NONE
Debr	ris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand	d/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appe	earance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	r	scalar	*Visual	NORML	NORML	NORML	NORML
Emul	sified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodi	um	ppm	ASTM D5185m		0	0	0
Boro		ppm	ASTM D5185m		56	48	50
Bariu	um	ppm	ASTM D5185m		0	0	0
	bdenum	ppm	ASTM D5185m		0	<1	<1
	ganese	ppm	ASTM D5185m		0	<1	0
Mag	nesium	ppm	ASTM D5185m		2	1	<1
Calc	ium	ppm	ASTM D5185m		106	100	101
Phos	sphorus	ppm	ASTM D5185m		740	696	688
Zinc		ppm	ASTM D5185m		0	1	2
Sulfu	ır	ppm	ASTM D5185m		23117	21247	20341
Acid N	Number (AN)	mg KOH/g	ASTM D8045		0.92	0.90	0.91
Visc	@ 40°C	cSt	ASTM D445	399	330		
Visc	@ 100°C	cSt	ASTM D445	29.5	25.6	25.4	25.9
Viscos	sity Index (VI)	Scale	ASTM D2270		100		







**CARLSTAR GROUP - FORMERLY CARLISLE TIRE** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : TR05939818 Received 520 JD YARNELL IND. PKWY : 31 Aug 2023 : 05939818 Lab Number :01 Sep 2023 CLINTON, TN Tested Unique Number : 10630430 : 01 Sep 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: F: (865)463-3696 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: JOHN GAINES - CARCLIUS

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