OIL ANALYSIS REPORT

WEAR CONTAMINATION FLUID CONDITION

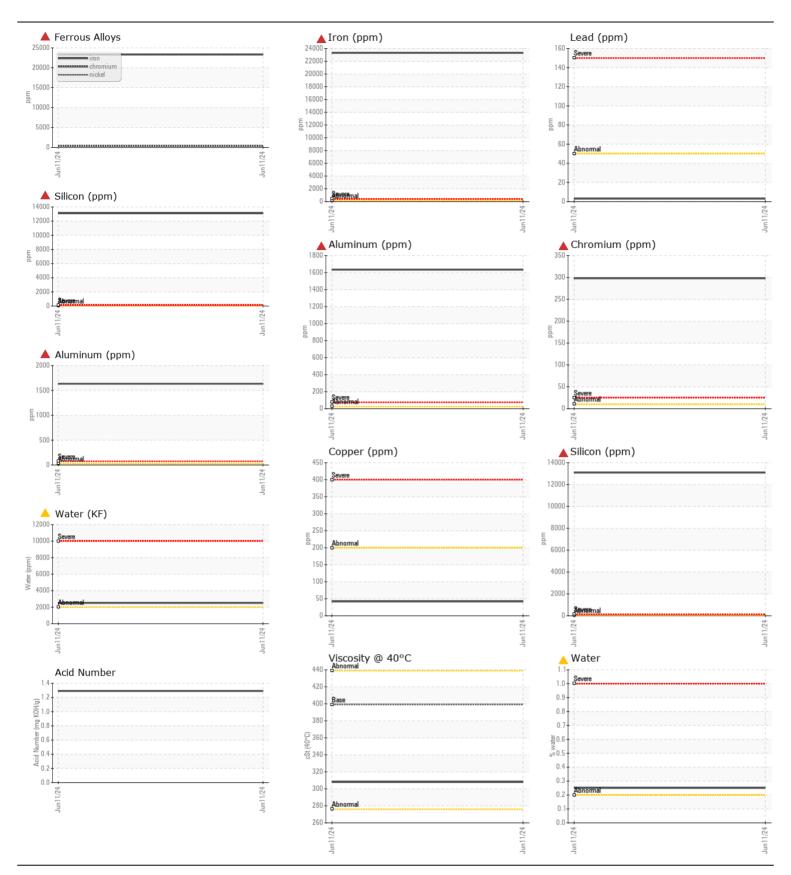
SEVERE SEVERE NORMAL

Machine Id

17 - 2 TREADLINE GUM CUSHION

Gearbox

TRC 890 VARI-PURPOSE 85W140 (22 GAL)							
We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		TR06215900		
	Sample Date		Client Info		11 Jun 2024		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				SEVERE		
WEAR							
WEAR	Iron	ppm	ASTM D5185m		23318		
The aluminum, chrome, iron and nickel levels are severe. Gear wear is indicated.	Chromium	ppm	ASTM D5185m		298		
	Nickel	ppm	ASTM D5185m	>10	▲ 37		
	Titanium	ppm	ASTM D5185m		183		
	Silver	ppm	ASTM D5185m	0.5	0		
	Aluminum	ppm	ASTM D5185m		▲ 1634		
	Lead	ppm	ASTM D5185m		3		
	Copper	ppm	ASTM D5185m		42		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m	NONE	5		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION There is a light concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.	Silicon	ppm	ASTM D5185m	>50	13095		
	Potassium	ppm	ASTM D5185m	>20	346		
	Water	%	ASTM D6304	>0.2	△ 0.251		
	ppm Water	ppm	ASTM D6304	>2000	^ 2510		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	0.2%		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		93		
The oil is no longer serviceable as a result of the abnormal and/or severe wear.	Boron	ppm	ASTM D5185m		192		
	Barium	ppm	ASTM D5185m		4		
	Molybdenum	ppm	ASTM D5185m		42		
	Manganese	ppm	ASTM D5185m		187		
	Magnesium	ppm	ASTM D5185m		53		
	Calcium	ppm	ASTM D5185m		76		
	Phosphorus	ppm	ASTM D5185m		804		
	Zinc	ppm	ASTM D5185m		13		
	Sulfur	ppm	ASTM D5185m		87292		
	Acid Number (AN)	0 0			1.29		
	Visc @ 40°C	cSt	ASTM D445		308		
	Visc @ 100°C	cSt	ASTM D445	29.5	25.3		
	Viscosity Index (VI)	Scale	ASTM D2270		106		





Laboratory Sample No. Lab Number

: TR06215900 : 06215900

Unique Number: 11088764

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Jun 2024 **Tested** : 21 Jun 2024

: 23 Jun 2024 - Don Baldridge Diagnosed

520 JD YARNELL IND. PKWY CLINTON, TN US 37716 Contact: JOHN GAINES

CARLSTAR GROUP - FORMERLY CARLISLE TIRE

Test Package : MOB 2 (Additional Tests: KF, 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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