

**OIL ANALYSIS REPORT** 

## Machine Id 2 - 2 MIXER

## Component Gearbox TRC INDUSTRIAL GEAR 220 (71 GAL)

TRC INDUSTRIAL GEAR 220 (71 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06215908	TR06122584	TR06029541
	Sample Date		Client Info		12 Jun 2024	13 Mar 2024	21 Nov 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				ATTENTION	ABNORMAL	NORMAL
WEAR	Iron	nnm	ASTM D5185m	<200	16	13	23
	Chromium	ppm ppm	ASTM D5185m		0	0	0
All component wear rates are normal.	Nickel		ASTM D5185m		0	0	<1
	Titanium	ppm ppm	ASTM D5185m	>10	0	0	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	0	0	0
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		۲ ۲	<1	7
	Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m	210	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm			4	5	22
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	0	1
	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	LIGHT
	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		<1	0	0
The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.	Boron	ppm	ASTM D5185m		51	45	0
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		0	0	<1
	Magnesium	ppm	ASTM D5185m		0	0	0
	Calcium	ppm	ASTM D5185m		<b>4</b> 8	9 39	0
	Phosphorus	ppm	ASTM D5185m		9 300	290	715
	Zinc	ppm	ASTM D5185m		18	13	0
	Sulfur	ppm	ASTM D5185m		<b>e</b> 8837	8845	18012
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.39	0.51	0.80
	Visc @ 40°C	cSt	ASTM D445	216	157	138	310.7

Visc @ 100°C cSt

Viscosity Index (VI) Scale ASTM D2270

ASTM D445 19.6

13.9

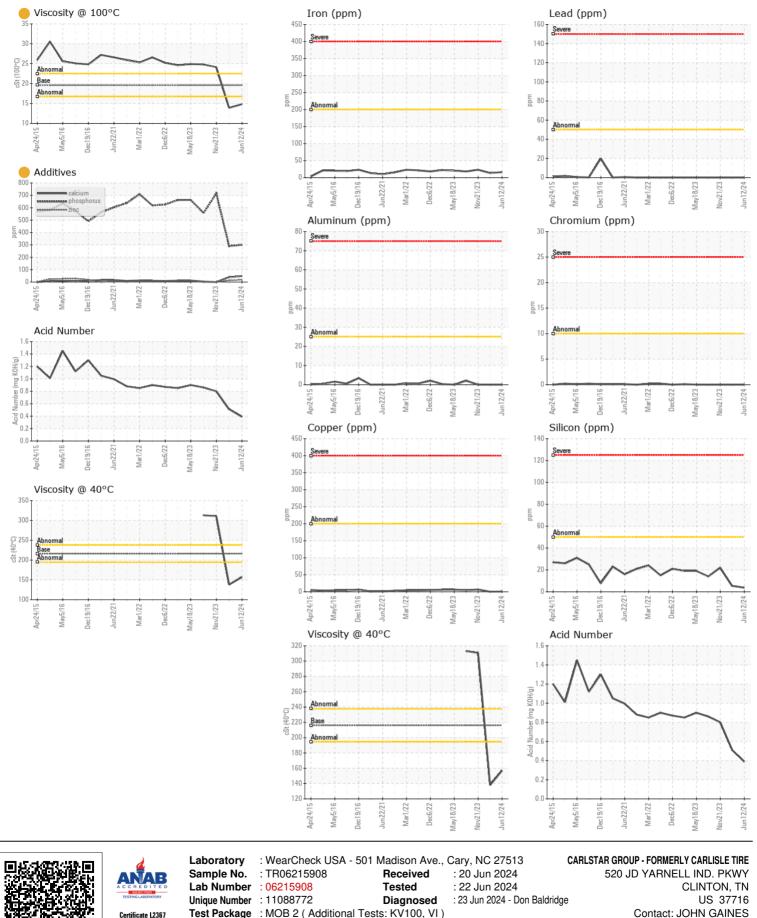
96

24.12

98

14.8

92



Test Package : MOB 2 (Additional Tests: 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.

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 Page 2 of 2

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