OIL ANALYSIS REPORT

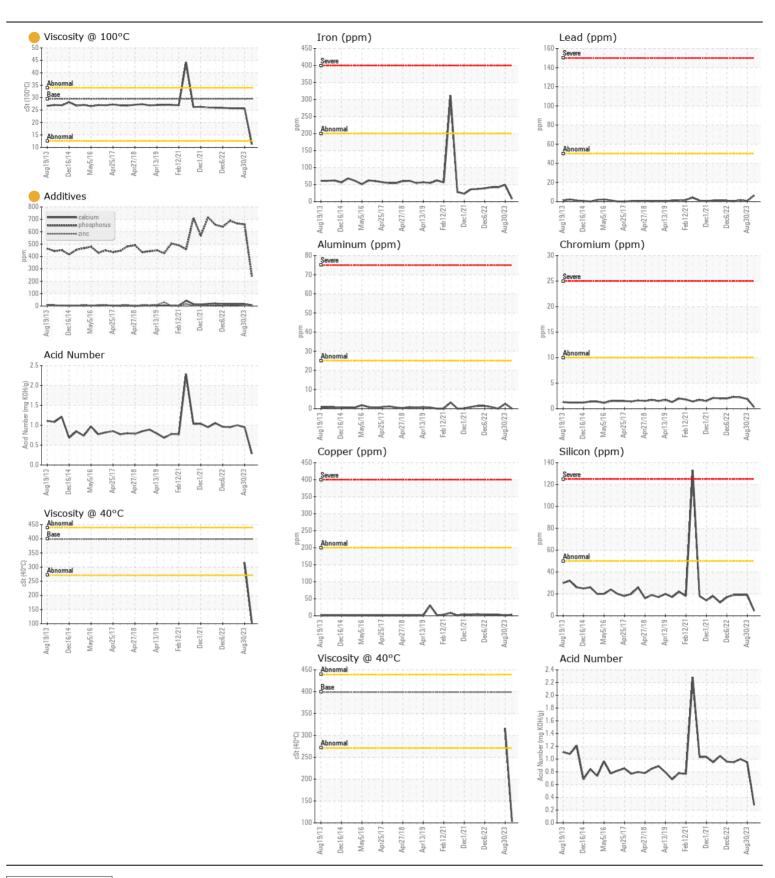
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL ATTENTION

6 - 2 MIXER BATCH OFF REDUCER

Component Gearbox

RECOMMENDATION Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		TR06029534	TR05939815	TR0585448
	Sample Date		Client Info		21 Nov 2023	30 Aug 2023	18 May 202
	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				ATTENTION	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>200	8	49	42
	Chromium	ppm	ASTM D5185m	>10	<1	2	2
All component wear rates are normal.	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	0	3	0
	Lead	ppm	ASTM D5185m	>50	6	<1	1
	Copper	ppm	ASTM D5185m	>200	4	<1	4
	Tin	ppm	ASTM D5185m	>10	0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	4	19	19
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	<1	3	1
	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	<1	0
The oil viscosity is lower than normal. This plus the additive levels	Boron	ppm	ASTM D5185m		0	0	0
indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	<1
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		0	3	1
	Calcium	ppm	ASTM D5185m		6	16	17
	Phosphorus	ppm	ASTM D5185m		<u>240</u>	659	666
	Zinc	ppm	ASTM D5185m		0 7216	3	7
	Sulfur	ppm ma K∩⊔/a	ASTM D5185m		7316	21773	16748
	Acid Number (AN)	mg KOH/g	ASTM D8045	000	0.28	0.95	1.00
	Vice @ 40°C	~C+	VCININAT	,5(1()			
	Visc @ 40°C Visc @ 100°C	cSt cSt	ASTM D445 ASTM D445		103 11.2	316 25.6	25.7





Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10779325

: 06029534

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : TR06029534

Tested Diagnosed Test Package : MOB 2 (Additional Tests: KV100, VI)

: 11 Dec 2023 : 12 Dec 2023 - Don Baldridge

: 08 Dec 2023

CARLSTAR GROUP - FORMERLY CARLISLE TIRE 520 JD YARNELL IND. PKWY CLINTON, TN

US 37716

Contact: JOHN GAINES

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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