OIL ANALYSIS REPORT

WEAR CONTAMINATION **FLUID CONDITION**

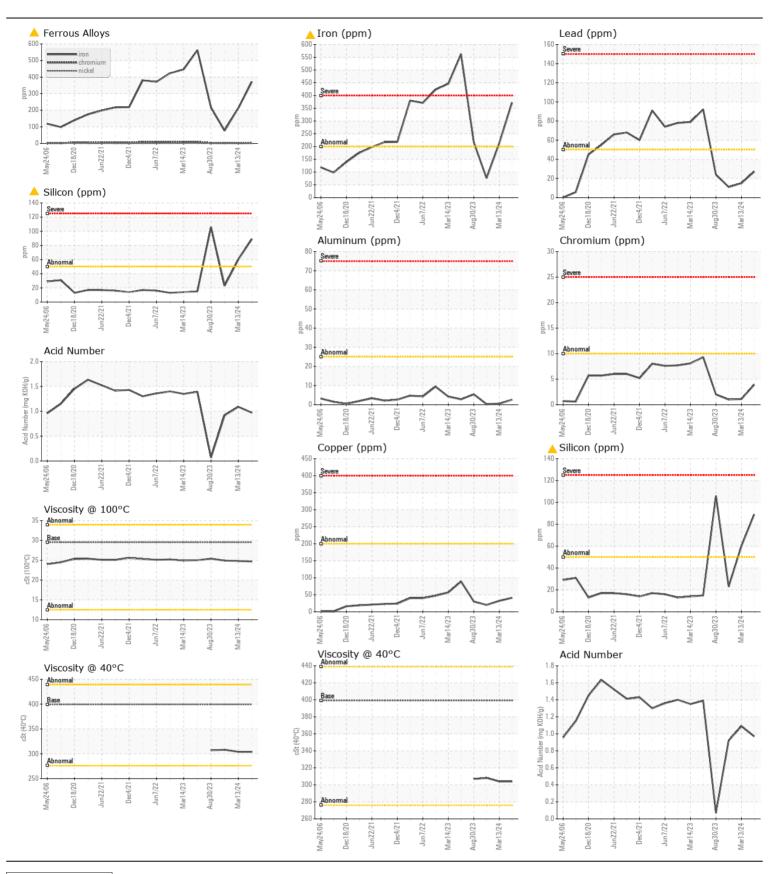
ABNORMAL ABNORMAL NORMAL

Machine Id

15 - 1 EXTRUDER SCRAP MILL

Gearbox

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number	OOW	Client Info	LIIIIIUAUII	TR06215894	TR06122592	TR0602953
	Sample Date		Client Info		10 Jun 2024	13 Mar 2024	21 Nov 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				ABNORMAL	ABNORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>200	<u></u> 372	<u>^</u> 213	76
	Chromium	ppm	ASTM D5185m		4	1	1
The iron level is abnormal. All other component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m	>10	<1	0	<1
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m	>25	3	<1	<1
	Lead	ppm	ASTM D5185m		27	15	11
	Copper	ppm	ASTM D5185m		41	32	20
	Tin	ppm	ASTM D5185m		2	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	 ▲ 89	<u></u> 60	23
Elemental level of silicon (Si) above normal.	Potassium	ppm	ASTM D5185m		0	0	2
	Water	ppiii	WC Method	>0.2	NEG	NEG	NEG
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	0.2%	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	0	0
	Boron	ppm	ASTM D5185m		<1	4	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		2	0	0
	Molybdenum	ppm	ASTM D5185m		<1	0	0
	Manganese	ppm	ASTM D5185m		4	2	1
	Magnesium	ppm	ASTM D5185m		<1	0	0
	Calcium	ppm	ASTM D5185m		17	14	0
	Phosphorus	ppm	ASTM D5185m		761	694	841
	Zinc	ppm	ASTM D5185m		9	0	0
	Sulfur	ppm	ASTM D5185m		21913	21423	20006
		1/011/	ASTM D8045		0.97	1.09	0.92
	Acid Number (AN)	mg KOH/g	ASTIVI D0043		0.51	1.00	0.02
	Acid Number (AN) Visc @ 40°C	mg KOH/g	ASTM D6045	399	304	304	308
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Certificate L2367

Laboratory

Sample No. **Lab Number**

: 06215894

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TR06215894

Received **Tested** Unique Number: 11088758

: 22 Jun 2024 Diagnosed Test Package : MOB 2 (Additional Tests: KV100, VI)

: 23 Jun 2024 - Don Baldridge

: 20 Jun 2024

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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