

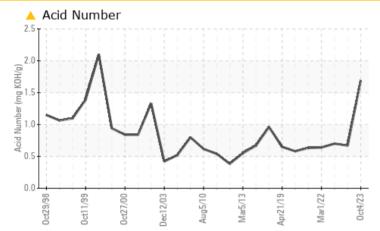
PROBLEM SUMMARY

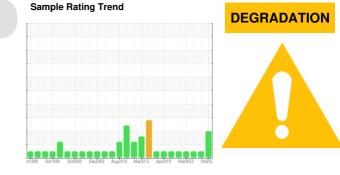
Acid Number (AN)

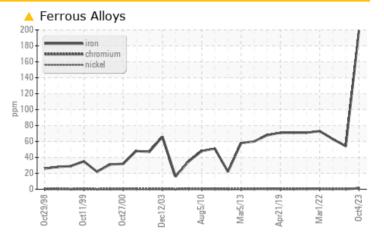
Area Caster/Segment Drives Machine Id B - Strand 2 - 2 Gear Box Roll # 65 Bottom Gearbox

Fluid SHELL OMALA 220 (45 GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	NORMAL	NORMAL	
Iron	ppm	ASTM D5185(m)	>200	🔺 199	54	63	

1.69

0.67

0.70

mg KOH/g ASTM D974*

Customer Id: LEWBOSC Sample No.: WC0866322 Lab Number: 02586920 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.		
Resample			?	We recommend an early resample to monitor this condition.		

HISTORICAL DIAGNOSIS



28 Feb 2023 Diag: Kevin Marson

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

13 Sep 2022 Diag: Kevin Marson



 \checkmark

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

01 Mar 2022 Diag: Kevin Marson





Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





Report Id: LEWBOSC [WCAMIS] 02586920 (Generated: 10/05/2023 17:05:01) Rev: 1



OIL ANALYSIS REPORT

Caster/Segment Drives B - Strand 2 - 2 Gear Box Roll # 65 Bottom Component

Gearbox

Fluid SHELL OMALA 220 (45 GAL)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

A Wear

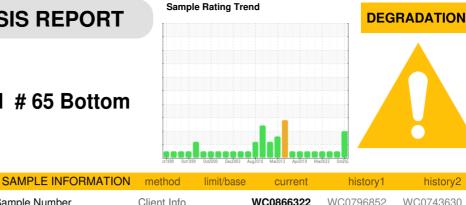
Iron ppm levels are marginal. All other component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

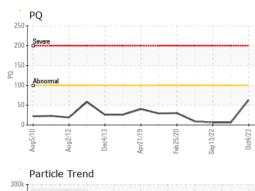
The AN level is above the recommended limit. The oil is no longer serviceable.

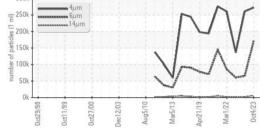


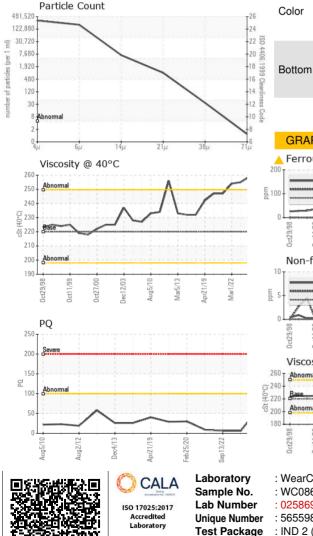
SAMPLE INFORMA		method	limit/base	current	nistory i	nistory2
Sample Number		Client Info		WC0866322	WC0796852	WC0743630
Sample Date		Client Info		04 Oct 2023	28 Feb 2023	13 Sep 2022
Machine Age	nrs	Client Info		0	0	0
Oil Age	nrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>DFLT	63	6	6
Iron p	opm	ASTM D5185(m)	>200	<u> </u>	54	63
Chromium p	opm	ASTM D5185(m)	>15	1	<1	<1
Nickel p	opm	ASTM D5185(m)	>15	1	<1	<1
Titanium p	opm	ASTM D5185(m)		0	0	0
Silver	opm	ASTM D5185(m)		<1	0	0
Aluminum	opm	ASTM D5185(m)	>25	2	<1	<1
Lead ß	opm	ASTM D5185(m)	>100	<1	0	<1
	opm	ASTM D5185(m)	>200	<1	0	0
	opm	ASTM D5185(m)	>25	0	0	0
	opm	ASTM D5185(m)	>5	0	0	<1
Vanadium	opm	ASTM D5185(m)		0	0	0
	opm	ASTM D5185(m)		0	0	0
Cadmium p	opm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron p	opm	ASTM D5185(m)	4.4	10	9	8
Barium p	opm	ASTM D5185(m)	0.0	1	0	0
Molybdenum p	opm	ASTM D5185(m)	0	0	0	0
Manganese p	opm	ASTM D5185(m)		2	<1	<1
Magnesium p	opm	ASTM D5185(m)	0	3	2	2
Calcium p	opm	ASTM D5185(m)	0	16	6	9
Phosphorus p	opm	ASTM D5185(m)	215	439	311	301
Zinc	opm	ASTM D5185(m)	0	8	2	2
Sulfur p	opm	ASTM D5185(m)	7039	9980	9129	8877
Lithium p	opm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon p	opm	ASTM D5185(m)	>50	6	3	3
	opm	ASTM D5185(m)		9	2	2
	opm	ASTM D5185(m)	>20	17	<1	0
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		272251	260524	136484
Particles >6µm		ASTM D7647	>10240000	170882	65160	60562
Particles >14μm		ASTM D7647	>10240000	6010	1634	1640
Particles >21µm		ASTM D7647	>2560000	854	394	361
Particles >38µm		ASTM D7647	>640000	31	8	7
Particles >71µm		ASTM D7647	>160000	1	0	4
Oil Cleanliness		ISO 4406 (c)	>/30/30	25/25/20	25/23/18	24/23/18
		. /				



OIL ANALYSIS REPORT

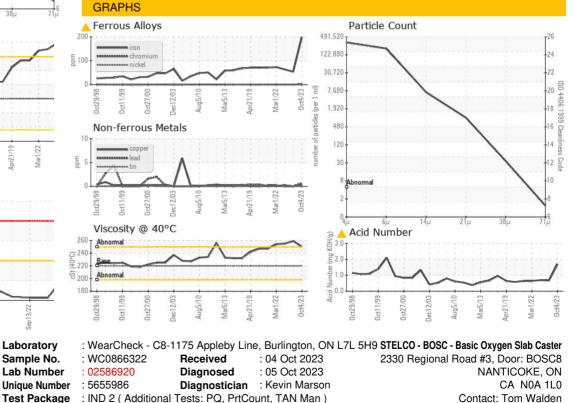






FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	4	1.69	0.67	0.70
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
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	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>5	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	250	259	255
SAMPLE IMAGES	S	method	limit/base	current	history1	history2





To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Thomas.Walden@stelco.com

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T: (519)587-4541

F: (519)587-7702