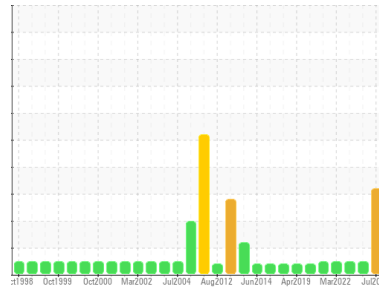




# OIL ANALYSIS REPORT

Sample Rating Trend



CONTAMINANT



Area

## Caster/Segment Drives

Machine Id

## B - Strand 2 - 2 Gear Box Roll # 80 Bottom

Component

Gearbox

Fluid

SHELL OMALA 220 (--- GAL)

### DIAGNOSIS

#### ▲ Recommendation

Technician was unable to draw sample from the machine. Suspect the unit has a very low oil level. We recommend that you check the oil level and top up as required.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0968471</b>	WC0796859	WC0743641
Sample Date	Client Info		<b>17 Jul 2024</b>	28 Feb 2023	13 Sep 2022
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>SEVERE</b>	NORMAL	NORMAL

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>5	<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*	>DFLT	---	10	9
Iron	ppm	ASTM D5185(m) >200	---	75	78
Chromium	ppm	ASTM D5185(m) >15	---	<1	<1
Nickel	ppm	ASTM D5185(m) >15	---	<1	<1
Titanium	ppm	ASTM D5185(m)	---	0	<1
Silver	ppm	ASTM D5185(m)	---	0	0
Aluminum	ppm	ASTM D5185(m) >25	---	2	2
Lead	ppm	ASTM D5185(m) >100	---	0	<1
Copper	ppm	ASTM D5185(m) >200	---	<1	<1
Tin	ppm	ASTM D5185(m) >25	---	<1	0
Antimony	ppm	ASTM D5185(m) >5	---	0	<1
Vanadium	ppm	ASTM D5185(m)	---	0	0
Beryllium	ppm	ASTM D5185(m)	---	0	0
Cadmium	ppm	ASTM D5185(m)	---	0	0

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 4.4	---	10	10
Barium	ppm	ASTM D5185(m) 0.0	---	4	4
Molybdenum	ppm	ASTM D5185(m) 0	---	0	0
Manganese	ppm	ASTM D5185(m)	---	1	1
Magnesium	ppm	ASTM D5185(m) 0	---	1	2
Calcium	ppm	ASTM D5185(m) 0	---	3	5
Phosphorus	ppm	ASTM D5185(m) 215	---	261	262
Zinc	ppm	ASTM D5185(m) 0	---	9	8
Sulfur	ppm	ASTM D5185(m) 7039	---	6141	6087
Lithium	ppm	ASTM D5185(m)	---	<1	<1

### CONTAMINANTS

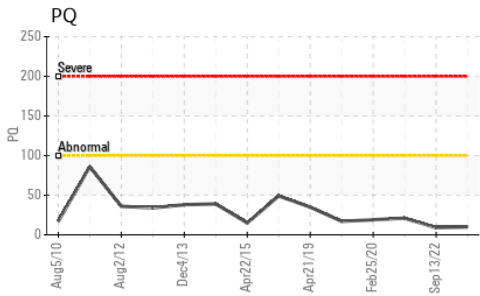
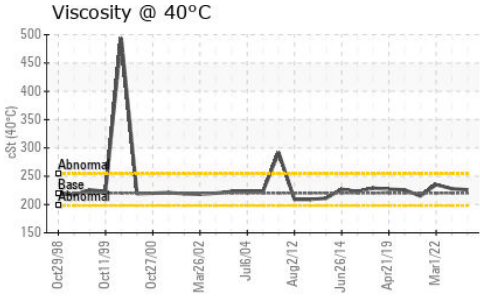
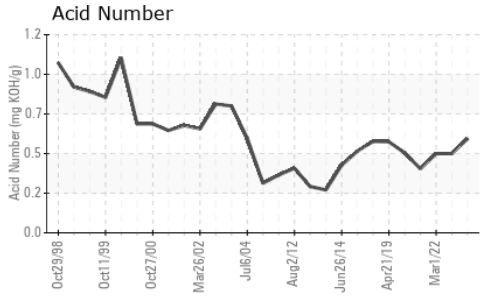
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	---	3	4
Sodium	ppm	ASTM D5185(m)	---	<1	<1
Potassium	ppm	ASTM D5185(m) >20	---	<1	<1

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	---	0.57	0.48



# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	---	NONE
Yellow Metal	scalar	Visual*	NONE	---	NONE
Precipitate	scalar	Visual*	NONE	---	NONE
Silt	scalar	Visual*	NONE	---	NONE
Debris	scalar	Visual*	NONE	---	NONE
Sand/Dirt	scalar	Visual*	NONE	---	NONE
Appearance	scalar	Visual*	NORML	▲ NOOIL	NORML
Odor	scalar	Visual*	NORML	---	NORML
Emulsified Water	scalar	Visual*	>5	---	NEG
Free Water	scalar	Visual*	---	---	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	---	226

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image		
Bottom				no image		

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0968471  
**Lab Number** : 02648546  
**Unique Number** : 5814098  
**Test Package** : TEST ( Additional Tests: ICP, KV40, PQ, Spat, TAN Auto, TAN Man )

**STELCO - BOSC - Basic Oxygen Slab Caster**  
 2330 Regional Road #3, Door: BOSC8  
 NANTICOKE, ON  
 CA N0A 1L0  
 Contact: Tom Walden  
 Thomas.Walden@stelco.com  
 T: (519)587-4541  
 F: (519)587-7702

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.