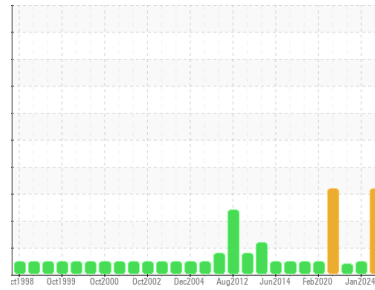




OIL ANALYSIS REPORT

Sample Rating Trend



CONTAMINANT



Area

Caster/Segment Drives

Machine Id

B - Strand 2 - 2 Gear Box Roll # 70 Bottom

Component

Gearbox

Fluid

SHELL OMALA 220 (45 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		WC0968472	WC0898678	WC0838962
Sample Date	Client Info		17 Jul 2024	10 Jan 2024	13 Jul 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			SEVERE	NORMAL	ABNORMAL

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*	>DFLT	---	0	0
Iron	ppm	ASTM D5185(m) >200	---	11	7
Chromium	ppm	ASTM D5185(m) >15	---	0	0
Nickel	ppm	ASTM D5185(m) >15	---	0	0
Titanium	ppm	ASTM D5185(m)	---	0	0
Silver	ppm	ASTM D5185(m)	---	0	2
Aluminum	ppm	ASTM D5185(m) >25	---	<1	<1
Lead	ppm	ASTM D5185(m) >100	---	0	0
Copper	ppm	ASTM D5185(m) >200	---	<1	<1
Tin	ppm	ASTM D5185(m) >25	---	0	0
Antimony	ppm	ASTM D5185(m) >5	---	0	0
Vanadium	ppm	ASTM D5185(m)	---	0	0
Beryllium	ppm	ASTM D5185(m)	---	0	0
Cadmium	ppm	ASTM D5185(m)	---	0	0

ADDITIVES

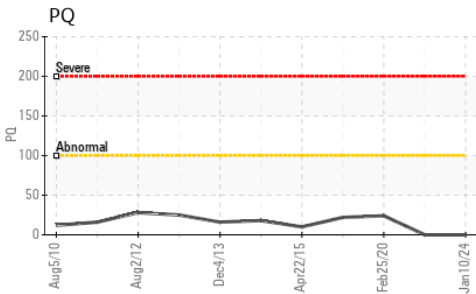
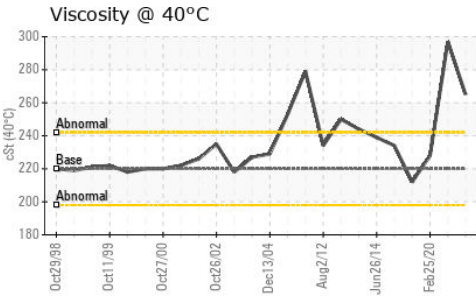
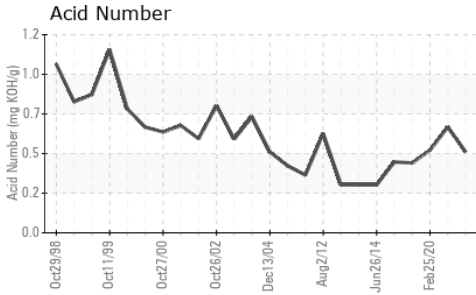
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 4.4	---	12	20
Barium	ppm	ASTM D5185(m) 0.0	---	0	0
Molybdenum	ppm	ASTM D5185(m) 0	---	0	0
Manganese	ppm	ASTM D5185(m)	---	0	0
Magnesium	ppm	ASTM D5185(m) 0	---	1	<1
Calcium	ppm	ASTM D5185(m) 0	---	3	3
Phosphorus	ppm	ASTM D5185(m) 215	---	303	346
Zinc	ppm	ASTM D5185(m) 0	---	3	2
Sulfur	ppm	ASTM D5185(m) 7039	---	10405	11223
Lithium	ppm	ASTM D5185(m)	---	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	---	1	2
Sodium	ppm	ASTM D5185(m)	---	<1	<1
Potassium	ppm	ASTM D5185(m) >20	---	<1	<1



OIL ANALYSIS REPORT



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		---	147979	69320
Particles >6µm	ASTM D7647	>10240000	---	29294	16630
Particles >14µm	ASTM D7647	>10240000	---	862	1031
Particles >21µm	ASTM D7647	>2560000	---	106	272
Particles >38µm	ASTM D7647	>640000	---	3	8
Particles >71µm	ASTM D7647	>160000	---	0	0
Oil Cleanliness	ISO 4406 (c)	>--/30/30	---	24/22/17	23/21/17

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	---	0.49	0.64

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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	220	---	265	▲ 297

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



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0968472
Lab Number : 02648545
Unique Number : 5814097
Test Package : TEST (Additional Tests: ICP, KV40, PQ, PrtCount, 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.