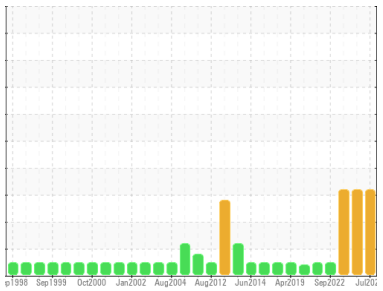
OIL ANALYSIS REPORT

Sample Rating Trend



CONTAMINANT

Area
Caster/Segment Drives
Machine Id
B - Strand 2 - 1 Gear Box Roll # 80 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		**WC0968480**	WC0898684	WC
Sample Date		Client Info		**17 Jul 2024**	10 Jan 2024	30 May 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**	SEVERE	SEVERE

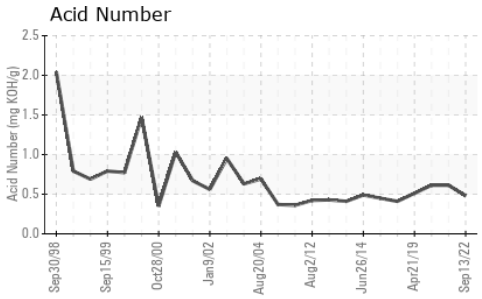
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>5	**NEG**	NEG	NEG

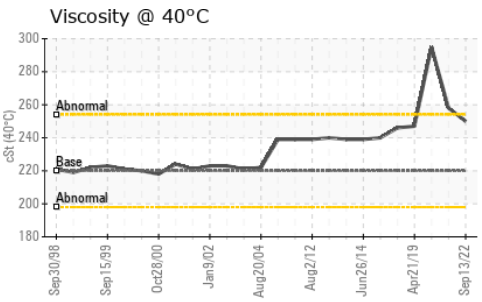
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>DFLT	**---**	---	---
Iron	ppm	ASTM D5185(m)	>200	**---**	---	---
Chromium	ppm	ASTM D5185(m)	>15	**---**	---	---
Nickel	ppm	ASTM D5185(m)	>15	**---**	---	---
Titanium	ppm	ASTM D5185(m)		**---**	---	---
Silver	ppm	ASTM D5185(m)	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

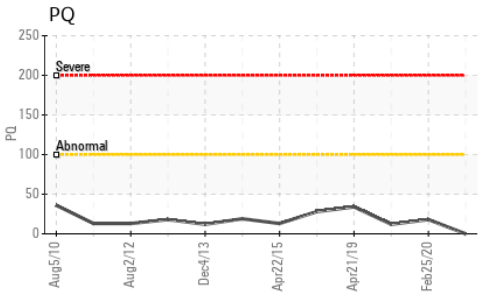
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	4.4	**---**	---	---
Barium	ppm	ASTM D5185(m)	0.0	**---**	---	---
Molybdenum	ppm	ASTM D5185(m)	0	**---**	---	---
Manganese	ppm	ASTM D5185(m)		**---**	---	---
Magnesium	ppm	ASTM D5185(m)	0	**---**	---	---
Calcium	ppm	ASTM D5185(m)	0	**---**	---	---
Phosphorus	ppm	ASTM D5185(m)	215	**---**	---	---
Zinc	ppm	ASTM D5185(m)	0	**---**	---	---
Sulfur	ppm	ASTM D5185(m)	7039	**---**	---	---
Lithium	ppm	ASTM D5185(m)		**---**	---	---

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

OIL ANALYSIS REPORT





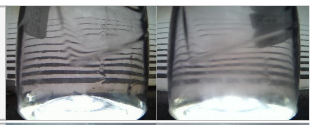
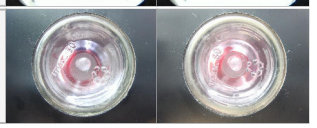


FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		---	---	---
Particles >6µm		ASTM D7647	>10240000	---	---	---
Particles >14µm		ASTM D7647	>10240000	---	---	---
Particles >21µm		ASTM D7647	>2560000	---	---	---
Particles >38µm		ASTM D7647	>640000	---	---	---
Particles >71µm		ASTM D7647	>160000	---	---	---
Oil Cleanliness		ISO 4406 (c)	>--/30/30	---	---	---

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

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	---	NONE	NONE
Appearance	scalar	Visual*	NORML	▲ **NOOIL**	▲ NOOIL	▲ NOOIL
Odor	scalar	Visual*	NORML	---	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	---	---	---

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

ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0968480
Lab Number : 02648543
Unique Number : 5814095
Test Package : TEST (Additional Tests: ICP, KV40, PQ, PrtCount, Spat, TAN Auto, TAN Man)

Received : 17 Jul 2024
Tested : 17 Jul 2024
Diagnosed : 18 Jul 2024 - Kevin Marson

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.

STELCO - BOSC - Basic Oxygen Slab Caster
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NANTICOKE, ON
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Report Id: LEWBOSC [WCAMIS] 02648543 (Generated: 07/18/2024 09:54:07) Rev: 2

Submitted By: Bob Melanson