

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **TURRET A** Component Gearbox Fluid

GEAR OIL ISO 220 (--- GAL)

DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL ISO 220. Please confirm.

NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

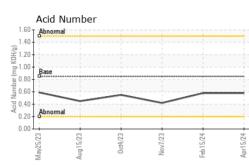
Fluid Condition

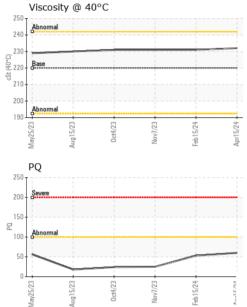
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0782477	WC0782495	WC0782486
Sample Date		Client Info		15 Apr 2024	15 Feb 2024	07 Nov 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				NORMAL	NORMAL	NORMAL
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>DFLT	60	53	25
Iron	ppm	ASTM D5185(m)	>200	190	151	126
Chromium	ppm	ASTM D5185(m)	>15	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>15	0	0	<1
Titanium	ppm	ASTM D5185(m)		<1	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	1	1
Lead	ppm	ASTM D5185(m)	>100	<1	1	2
Copper	ppm	ASTM D5185(m)	>200	4	4	4
Tin	ppm	ASTM D5185(m)	>25	0	0	0
Antimony	ppm	ASTM D5185(m)	>5	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	50	<1	<1	<1
Barium	ppm	ASTM D5185(m)	15	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	15	0	0	0
Manganese	ppm	ASTM D5185(m)		2	1	1
Magnesium	ppm	ASTM D5185(m)	50	1	1	2
Calcium	ppm	ASTM D5185(m)	50	6	7	7
Phosphorus	ppm	ASTM D5185(m)	350	265	272	263
Zinc	ppm	ASTM D5185(m)	100	5	5	5
Sulfur	ppm	ASTM D5185(m)	12500	9882	10352	10035
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	8	8	8
Sodium	ppm	ASTM D5185(m)		<1	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.85	0.58	0.58	0.42

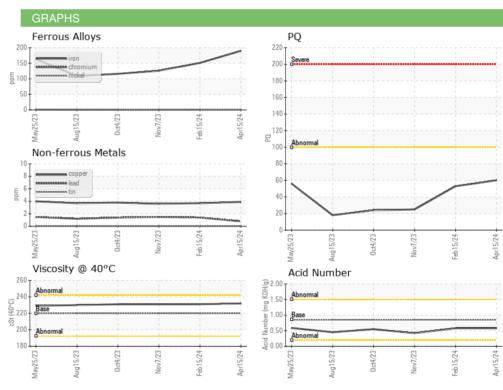


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	VLITE	VLITE	VLITE
Debris	scalar	Visual*	NONE	VLITE	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*	>0.2	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
FLUID PROPERT Visc @ 40°C	IES cSt	method ASTM D7279(m)	limit/base 220	current 232	history1 231	history2 231
	cSt					
Visc @ 40°C	cSt	ASTM D7279(m)	220	232	231	231



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 STELCO - BOSC - Basic Oxygen Slab Caster CALA Sample No. : WC0782477 Received : 16 Apr 2024 2330 Regional Road #3, Door: BOSC8 Lab Number : 02629322 Tested NANTICOKE, ON : 16 Apr 2024 ISO 17025:2017 Accredited Laboratory Diagnosed Unique Number : 5762454 : 16 Apr 2024 - Wes Davis CA NOA 1L0 Test Package : IND 2 (Additional Tests: TAN Man) Contact: Kevin Beeton To discuss this sample report, contact Customer Service at 1-800-268-2131. Kevin.Beeton@stelco.com Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: Validity of results and interpretation are based on the sample and information as supplied. F: (519)587-7702

Report Id: LEWBOSC [WCAMIS] 02629322 (Generated: 04/16/2024 16:36:08) Rev: 1

Contact/Location: Kevin Beeton - LEWBOSC Page 2 of 2