

OIL ANALYSIS REPORT

Machine Id UTL010

Component

Rear Left Wheel Hub

GEAR OIL SAE 90 (--- GAL)

Sample Rating Trend



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 SAE 90. Please confirm. Please provide more complete information on your next sample.

Wear

Lead ppm levels are noted. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

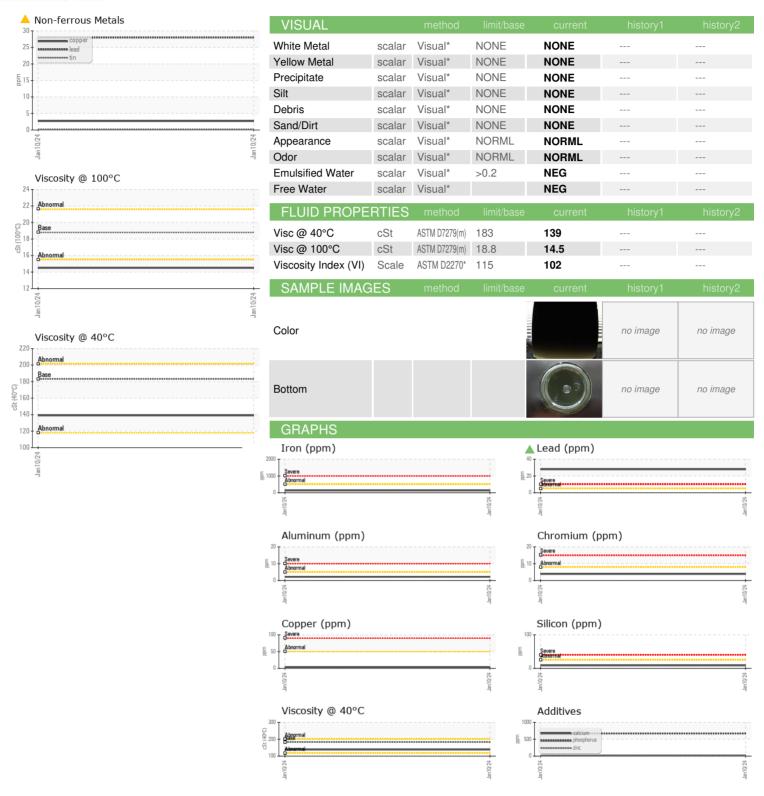
Fluid Condition

The condition of the oil is acceptable for the time in service.

				Jan2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0075040		
Sample Date		Client Info		10 Jan 2024		
Machine Age	hrs	Client Info		553		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
CONTAMINAT	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	132		
Chromium	ppm	ASTM D5185(m)	>8	4		
Nickel	ppm	ASTM D5185(m)	>5	4		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>5	2		
Lead	ppm	ASTM D5185(m)	>5	28		
Copper	ppm	ASTM D5185(m)	>50	3		
Tin	ppm	ASTM D5185(m)		<1		
Antimony	ppm	ASTM D5185(m)	>5	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	400	57		
Barium	ppm	ASTM D5185(m)	200	1		
Molybdenum	ppm	ASTM D5185(m)	12	0		
Manganese	ppm	ASTM D5185(m)		4		
Magnesium	ppm	ASTM D5185(m)	12	3		
Calcium	ppm	ASTM D5185(m)	150	19		
Phosphorus	ppm	ASTM D5185(m)	1650	673		
Zinc	ppm	ASTM D5185(m)	125	13		
Sulfur	ppm	ASTM D5185(m)	22500	21874		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	9		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	2		



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: PC0075040 : 02610930

: 5720025

Recieved : 24 Jan 2024 Diagnosed : 26 Jan 2024

Diagnostician : Kevin Marson Test Package : MOB 1 (Additional Tests: KV100, VI)

Contact: Dale Arseneau darseneau@ca.panamericansilver.com

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.

T: (705)269-4344

Timmins, ON

CA

Lakeshore Gold Timmins West