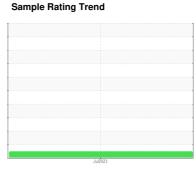


OIL ANALYSIS REPORT

T Sam



NORMAL



Machine Id **S-9**Component

Gearbox

GEAR OIL SAE 80W90 (--- 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 SAE 80W90. Please confirm. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please provide more complete information on your 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.

				Jul2023		
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PC0052118		
Sample Date		Client Info		05 Jul 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS	S	method	limit/base	current	history 1	history 2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>150	4		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		<1		
Aluminum	ppm	ASTM D5185(m)	>5	<1		
Lead	ppm	ASTM D5185(m)	>65	0		
Copper	ppm	ASTM D5185(m)	>80	<1		
Tin	ppm	ASTM D5185(m)	>8	0		
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	history 1	history 2
Boron	ppm	ASTM D5185(m)	400	236		
Barium	ppm	ASTM D5185(m)	200	0		
Molybdenum	ppm	ASTM D5185(m)	12	0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	12	2		
Calcium	ppm	ASTM D5185(m)	150	3		
Phosphorus	ppm	ASTM D5185(m)	1650	959		
Zinc	ppm	ASTM D5185(m)	125	5		
Sulfur	ppm	ASTM D5185(m)	22500	16518		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN [®]	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	>20	4		
Sodium	ppm	ASTM D5185(m)	>170	<1		
Potassium	ppm	ASTM D5185(m)	>20	1		
FLUID DEGRAD	ATION	method	limit/base	current	history 1	history 2

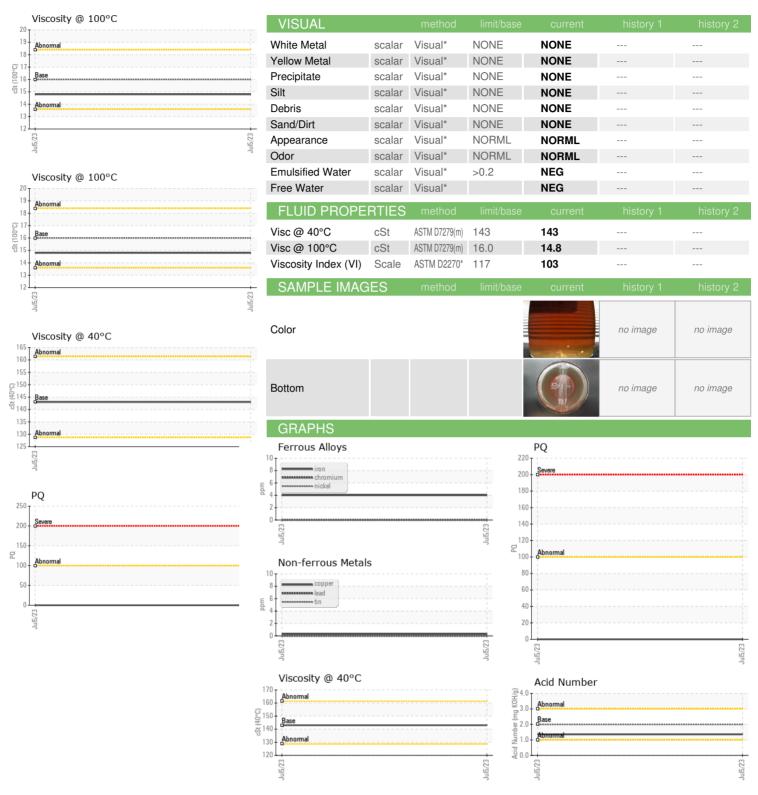
Acid Number (AN)

mg KOH/g ASTM D974* 2.00

1.36



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 : PC0052118

: 02568337 : 5605383

Received Diagnosed

: 06 Jul 2023 : 07 Jul 2023

Diagnostician : Kevin Marson Test Package : MAR 2 (Additional Tests: KV100, TAN Man, VI)

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.

Suncor - Terra Nova Projects

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