



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[RON7922]
 Machine Id
BC0035384
 Component
Gearbox
 Fluid
GEAR OIL ISO 220 (--- GAL)

DIAGNOSIS

Recommendation

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 INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0749439	---	---
Sample Date	Client Info	28 May 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	---	---
Iron	ppm ASTM D5185(m) >200	10	---	---
Chromium	ppm ASTM D5185(m) >15	0	---	---
Nickel	ppm ASTM D5185(m) >15	0	---	---
Titanium	ppm ASTM D5185(m)	0	---	---
Silver	ppm ASTM D5185(m)	0	---	---
Aluminum	ppm ASTM D5185(m) >25	<1	---	---
Lead	ppm ASTM D5185(m) >100	<1	---	---
Copper	ppm ASTM D5185(m) >200	<1	---	---
Tin	ppm ASTM D5185(m) >25	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	history1	history2
Boron	ppm ASTM D5185(m) 50	14	---	---
Barium	ppm ASTM D5185(m) 15	<1	---	---
Molybdenum	ppm ASTM D5185(m) 15	0	---	---
Manganese	ppm ASTM D5185(m)	<1	---	---
Magnesium	ppm ASTM D5185(m) 50	<1	---	---
Calcium	ppm ASTM D5185(m) 50	2	---	---
Phosphorus	ppm ASTM D5185(m) 350	334	---	---
Zinc	ppm ASTM D5185(m) 100	8	---	---
Sulfur	ppm ASTM D5185(m) 12500	7308	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

CONTAMINANTS

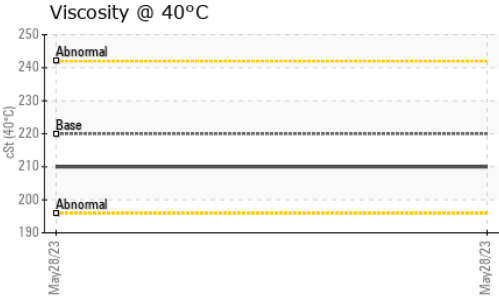
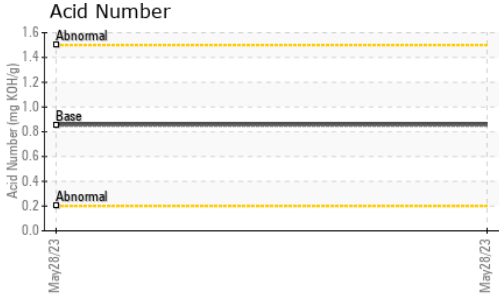
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	7	---	---
Sodium	ppm ASTM D5185(m)	2	---	---
Potassium	ppm ASTM D5185(m) >20	<1	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974* 0.85	0.86	---	---



OIL ANALYSIS REPORT



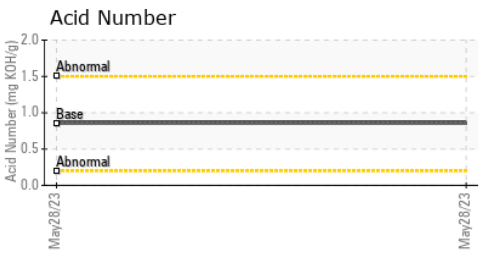
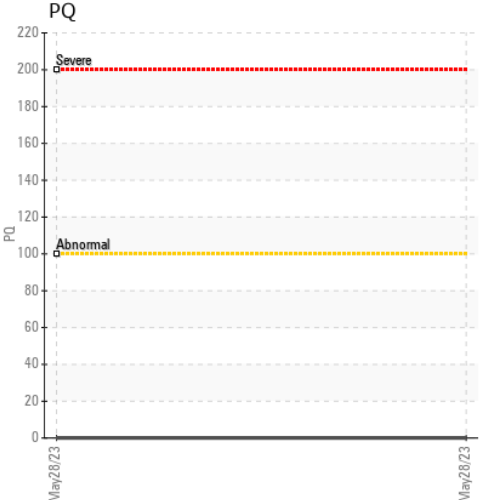
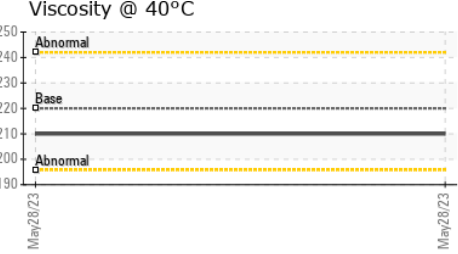
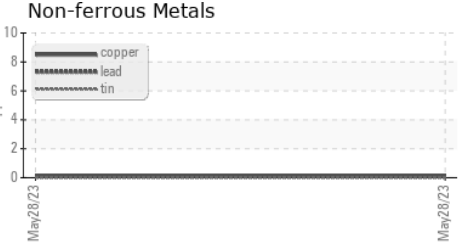
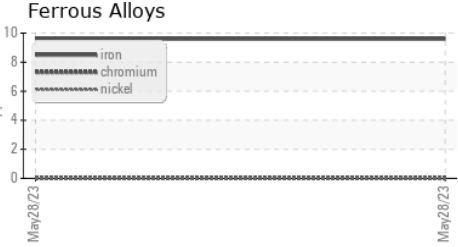
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	220	210	---	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0749439 **Received** : 29 May 2023
Lab Number : **02560361** **Diagnosed** : 30 May 2023
Unique Number : 5581401 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: TAN Man)

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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.