



Machine Id
BONUS 1001
Component
Gearbox
Fluid
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. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm. Please provide more complete information on your next sample. Please specify the component make and model with your next sample.

Wear
Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

Contamination
There is no indication of any contamination in the oil.

Fluid Condition
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0073140	---	---
Sample Date	Client Info		11 Jul 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

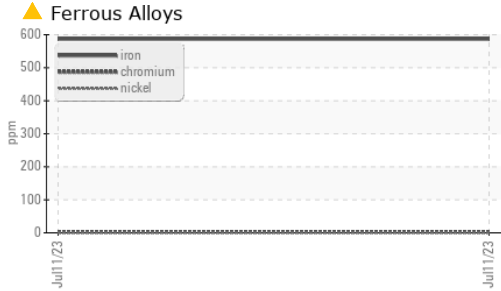
WEAR METALS	method	limit/base	current	history1	history2
PQ	ASTM D8184*		33	---	---
Iron	ppm	ASTM D5185(m) >200	▲ 587	---	---
Chromium	ppm	ASTM D5185(m) >10	2	---	---
Nickel	ppm	ASTM D5185(m) >10	<1	---	---
Titanium	ppm	ASTM D5185(m)	<1	---	---
Silver	ppm	ASTM D5185(m)	0	---	---
Aluminum	ppm	ASTM D5185(m) >25	1	---	---
Lead	ppm	ASTM D5185(m) >50	1	---	---
Copper	ppm	ASTM D5185(m) >200	10	---	---
Tin	ppm	ASTM D5185(m) >10	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) 400	126	---	---
Barium	ppm	ASTM D5185(m) 200	0	---	---
Molybdenum	ppm	ASTM D5185(m) 12	6	---	---
Manganese	ppm	ASTM D5185(m)	5	---	---
Magnesium	ppm	ASTM D5185(m) 12	1	---	---
Calcium	ppm	ASTM D5185(m) 150	9	---	---
Phosphorus	ppm	ASTM D5185(m) 1650	1007	---	---
Zinc	ppm	ASTM D5185(m) 125	115	---	---
Sulfur	ppm	ASTM D5185(m) 22500	16621	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

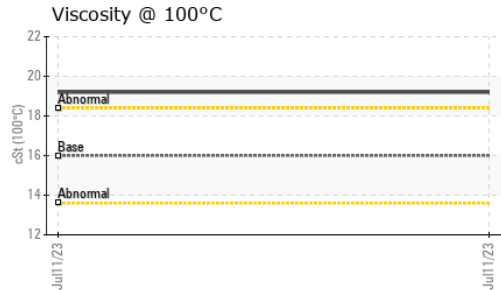
CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	11	---	---
Sodium	ppm	ASTM D5185(m) >170	3	---	---
Potassium	ppm	ASTM D5185(m) >20	10	---	---

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	---	---

OIL ANALYSIS REPORT



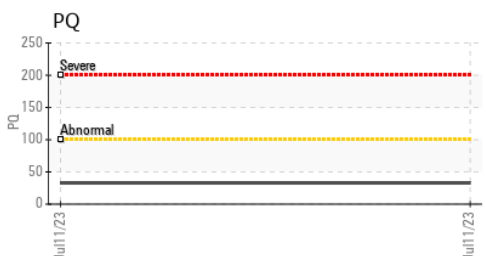
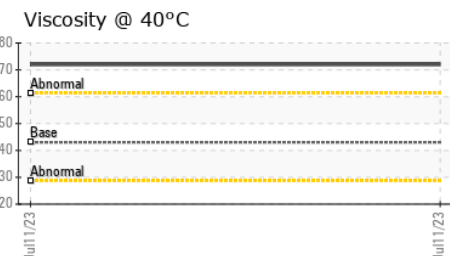
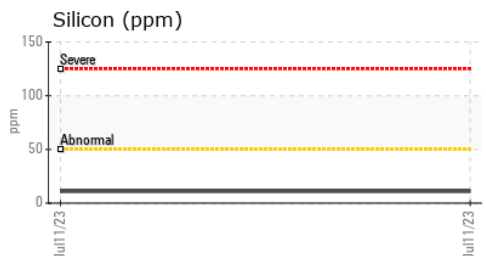
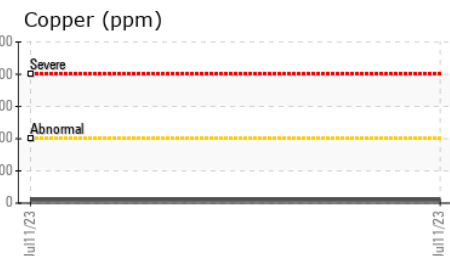
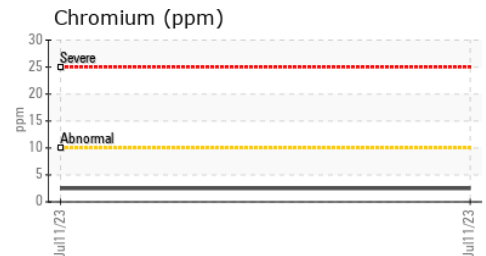
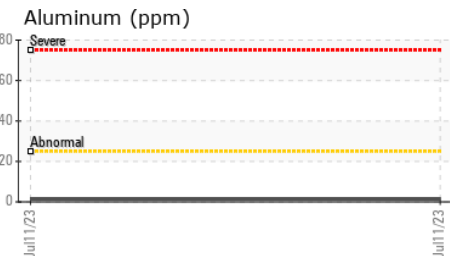
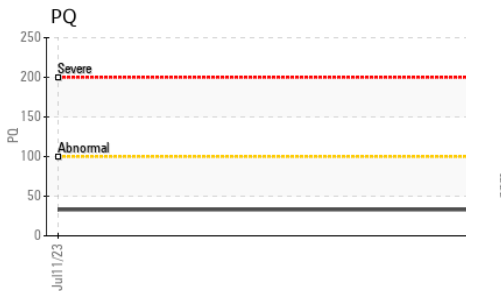
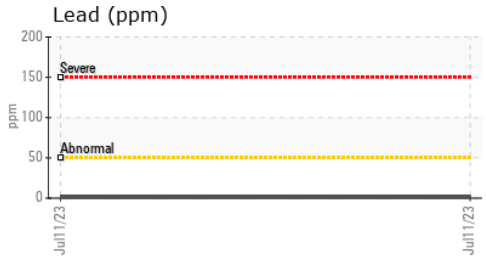
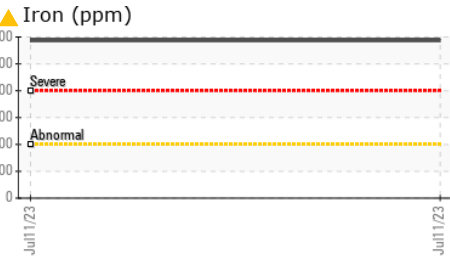
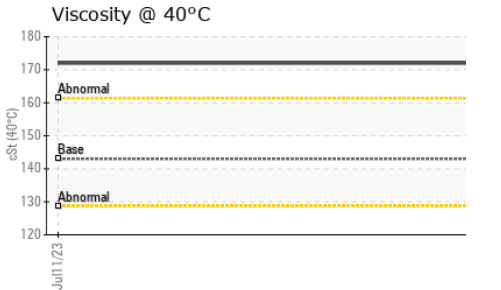
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	143	172	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	16.0	19.2	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	117	127	---	---



SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0073140 **Received** : 12 Jul 2023
Lab Number : 02569455 **Diagnosed** : 13 Jul 2023
Unique Number : 5606501 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: KV100, PQ, 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.

OKC FARMS

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