



Machine Id
S-6
Component
Gearbox
Fluid
GEAR OIL SAE 90 (--- 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 90. 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.

SAMPLE INFORMATION method limit/base current history 1 history 2

Sample Number	Client Info	PC0052121	---	---
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 method limit/base current history 1 history 2

PQ	ASTM D8184*	0	---	---
Iron	ppm ASTM D5185(m) >150	5	---	---
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)	0	---	---
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	213	---	---
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	2	---	---
Phosphorus	ppm ASTM D5185(m) 1650	934	---	---
Zinc	ppm ASTM D5185(m) 125	22	---	---
Sulfur	ppm ASTM D5185(m) 22500	16150	---	---
Lithium	ppm ASTM D5185(m)	<1	---	---

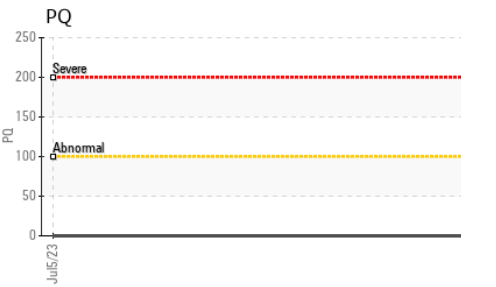
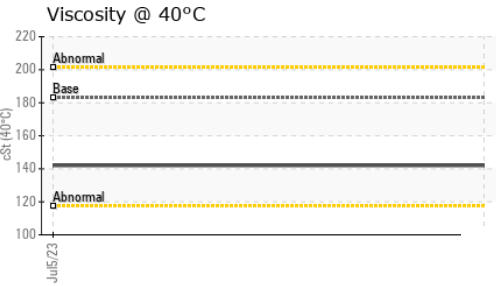
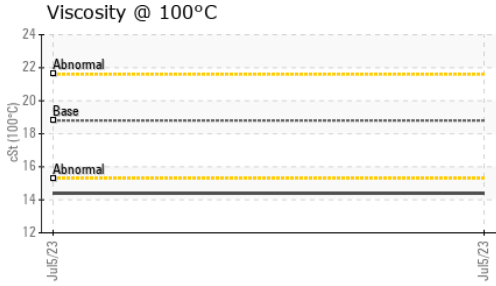
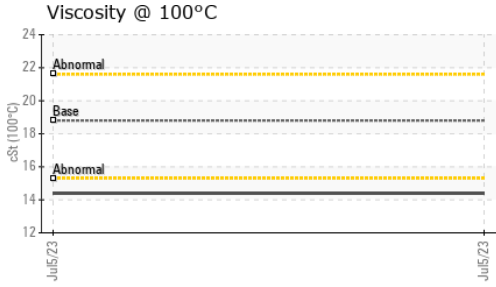
CONTAMINANTS method limit/base current history 1 history 2

Silicon	ppm ASTM D5185(m) >20	3	---	---
Sodium	ppm ASTM D5185(m)	1	---	---
Potassium	ppm ASTM D5185(m) >20	<1	---	---

FLUID DEGRADATION method limit/base current history 1 history 2

Acid Number (AN)	mg KOH/g ASTM D974*	2.00	1.29	---	---
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OIL ANALYSIS REPORT

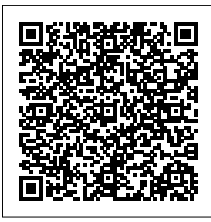
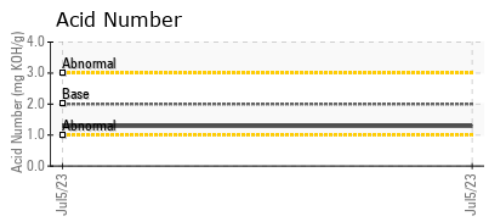
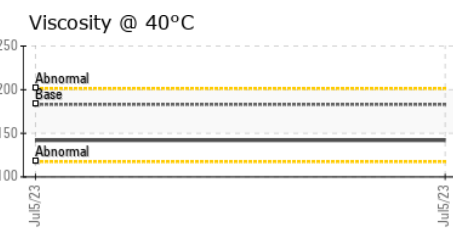
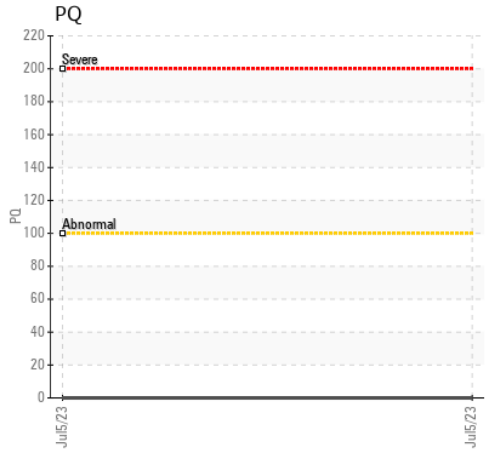
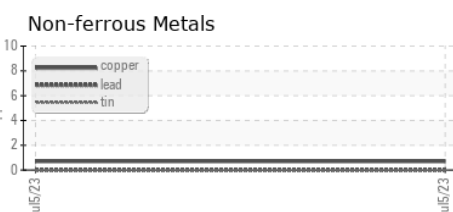
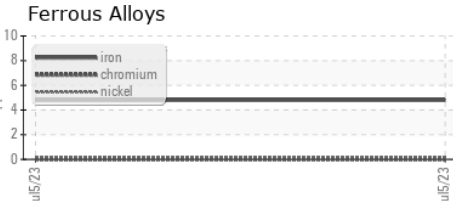


VISUAL	method	limit/base	current	history 1	history 2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
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	history 1	history 2	
Visc @ 40°C	cSt	ASTM D7279(m)	183	142	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	18.8	14.4	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	115	99	---	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0052121 **Received** : 06 Jul 2023
Lab Number : 02568338 **Diagnosed** : 07 Jul 2023
Unique Number : 5605384 **Diagnostician** : Kevin Marson
Test Package : MAR 2 (Additional Tests: KV100, TAN Man, VI)

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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.