



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HAMM 202-1100
 Component
Left Final Drive
 Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0088635	---	---
Sample Date		Client Info		04 Apr 2024	---	---
Machine Age	hrs	Client Info		960	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	125	---	---
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	4	---	---
Lead	ppm	ASTM D5185(m)	>25	0	---	---
Copper	ppm	ASTM D5185(m)	>50	<1	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

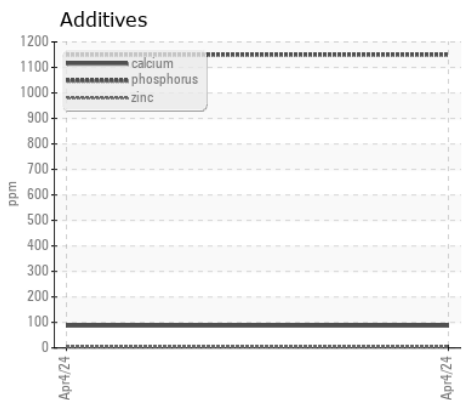
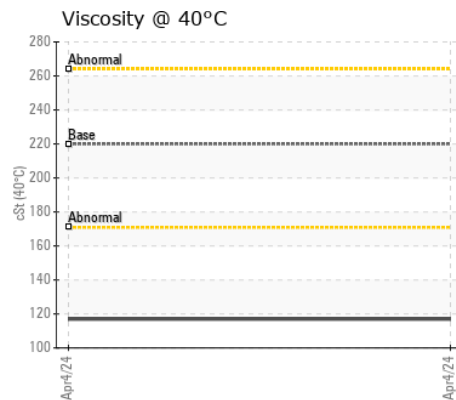
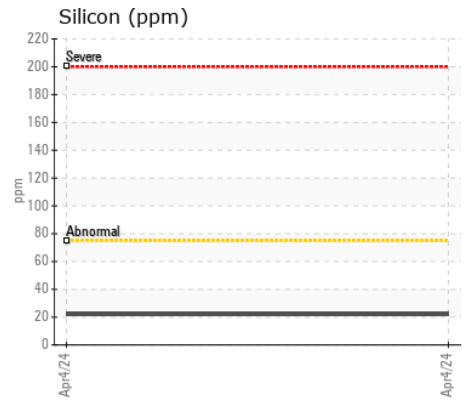
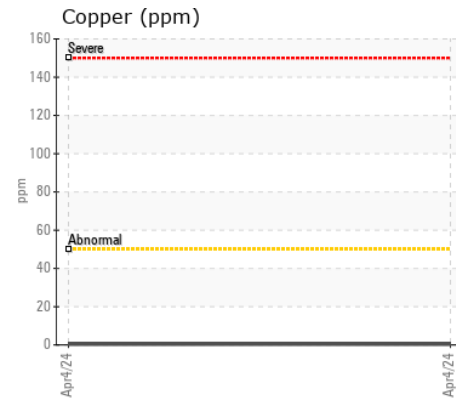
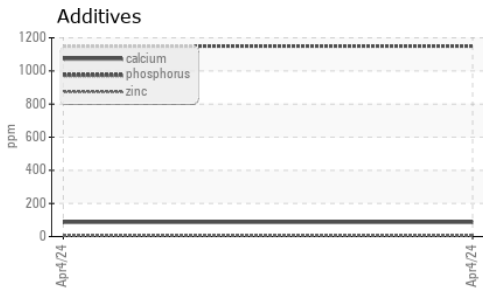
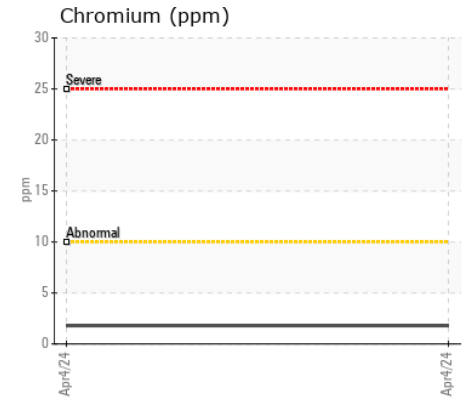
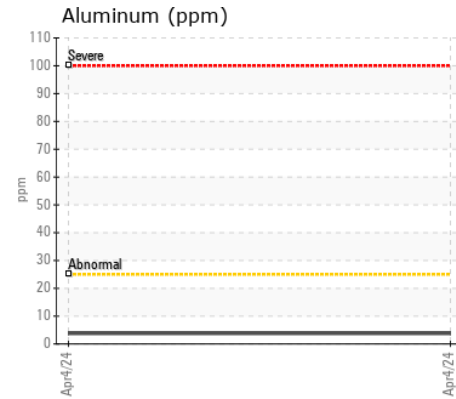
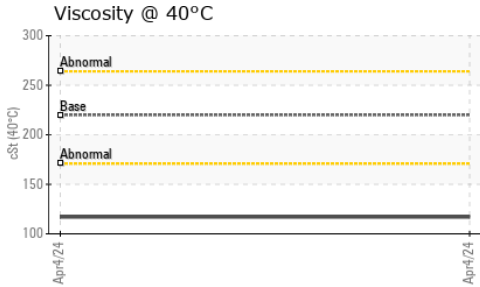
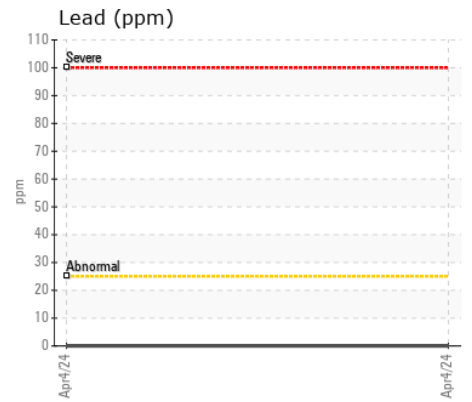
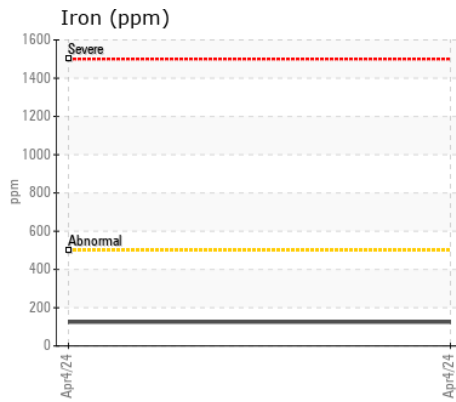
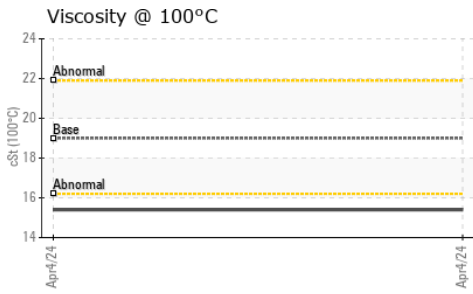
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	22	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)	50	144	---	---
Barium	ppm	ASTM D5185(m)	15	0	---	---
Molybdenum	ppm	ASTM D5185(m)	15	0	---	---
Manganese	ppm	ASTM D5185(m)		1	---	---
Magnesium	ppm	ASTM D5185(m)	50	18	---	---
Calcium	ppm	ASTM D5185(m)	50	87	---	---
Phosphorus	ppm	ASTM D5185(m)	350	1150	---	---
Zinc	ppm	ASTM D5185(m)	100	4	---	---
Sulfur	ppm	ASTM D5185(m)	12500	22946	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	220	117	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	19.0	15.4	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	96	137	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088635 **Received** : 17 May 2024
Lab Number : 02636398 **Tested** : 17 May 2024
Unique Number : 5785560 **Diagnosed** : 17 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, 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.

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