



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
HAMM HC 120iP WGH0H252HHAA00249

Component
Differential

Fluid
GEAR OIL SAE 80W90 (--- GAL)

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 SAE 80W90. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0219699	JR0198021	---
Sample Date		Client Info		24 Jun 2024	30 Jan 2024	---
Machine Age	hrs	Client Info		1139	570	---
Oil Age	hrs	Client Info		1139	570	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		71	255	---
Iron	ppm	ASTM D5185m	>500	130	236	---
Chromium	ppm	ASTM D5185m	>10	2	4	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	3	1	---
Lead	ppm	ASTM D5185m	>25	<1	2	---
Copper	ppm	ASTM D5185m	>100	<1	<1	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

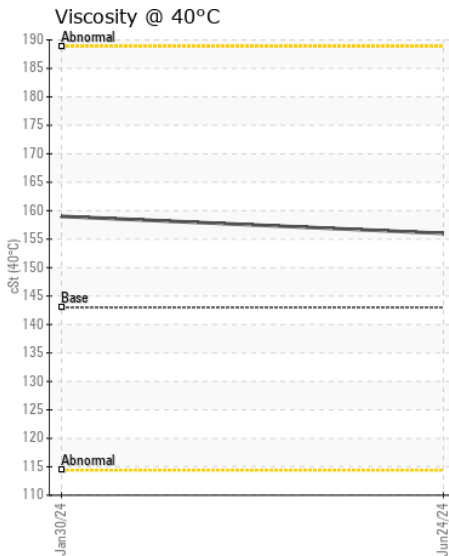
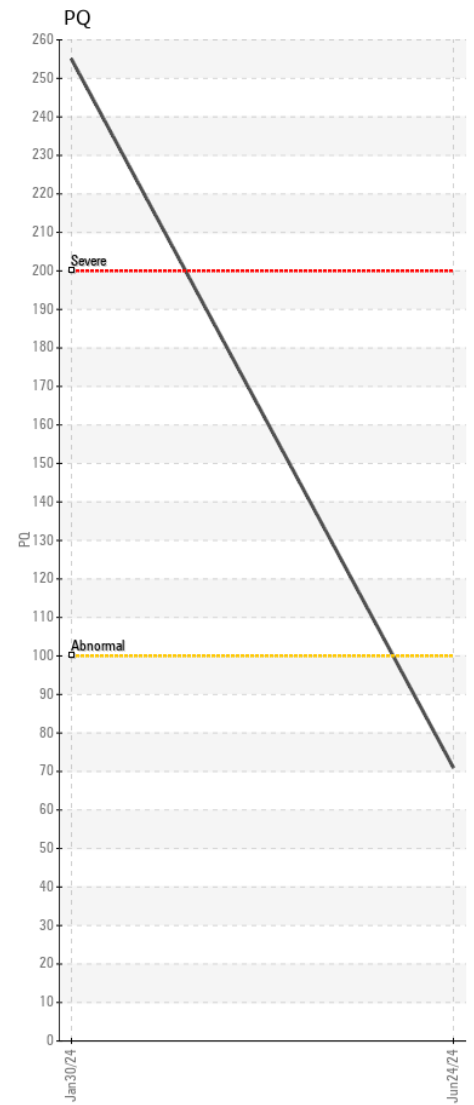
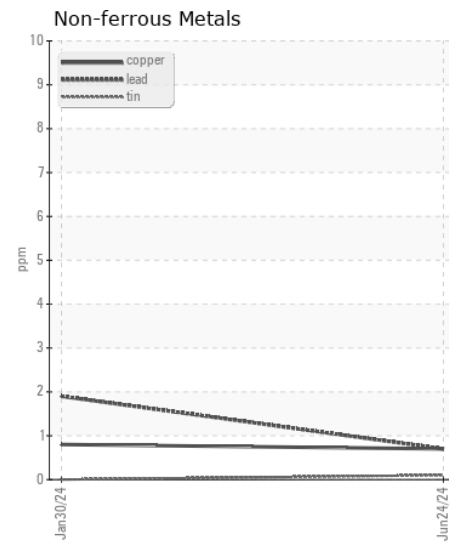
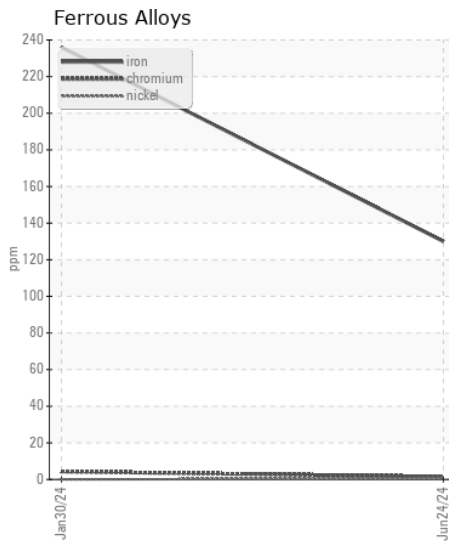
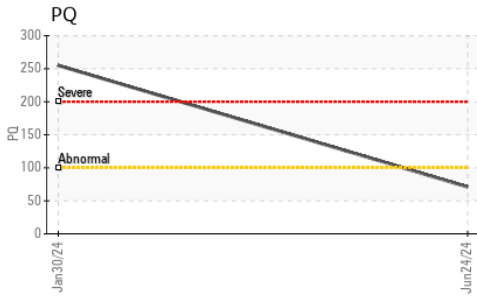
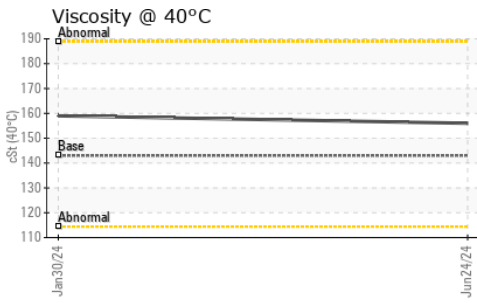
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	17	---
Potassium	ppm	ASTM D5185m	>20	2	1	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	9	8	---
Boron	ppm	ASTM D5185m	400	2	1	---
Barium	ppm	ASTM D5185m	200	7	8	---
Molybdenum	ppm	ASTM D5185m	12	<1	0	---
Manganese	ppm	ASTM D5185m		11	9	---
Magnesium	ppm	ASTM D5185m	12	5	0	---
Calcium	ppm	ASTM D5185m	150	121	0	---
Phosphorus	ppm	ASTM D5185m	1650	1790	1750	---
Zinc	ppm	ASTM D5185m	125	63	11	---
Sulfur	ppm	ASTM D5185m	22500	28601	27709	---
Visc @ 40°C	cSt	ASTM D445	143	156	159	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0219699 **Received** : 01 Jul 2024
Lab Number : 06224752 **Tested** : 02 Jul 2024
Unique Number : 11102949 **Diagnosed** : 02 Jul 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

CARLTON'S BACKHOE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: LEO

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (704)547-0211

F: