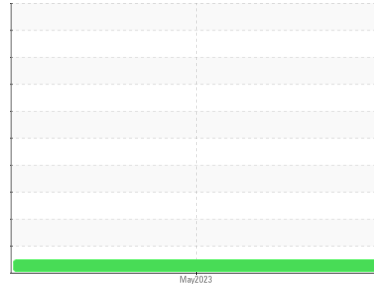




Area
[US AGG]
 Machine Id
LIEBHERR HS885HD 184713
 Component
Left Swing Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)



DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

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

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		LH0257976	---	---
Sample Date	Client Info		08 May 2023	---	---
Machine Age	hrs Client Info		10527	---	---
Oil Age	hrs Client Info		2000	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>400	163	---	---
Chromium	ppm ASTM D5185m	>10	1	---	---
Nickel	ppm ASTM D5185m	>10	<1	---	---
Titanium	ppm ASTM D5185m		<1	---	---
Silver	ppm ASTM D5185m		0	---	---
Aluminum	ppm ASTM D5185m	>25	<1	---	---
Lead	ppm ASTM D5185m	>50	0	---	---
Copper	ppm ASTM D5185m	>200	3	---	---
Tin	ppm ASTM D5185m	>10	0	---	---
Vanadium	ppm ASTM D5185m		0	---	---
Cadmium	ppm ASTM D5185m		0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	400	416	---	---
Barium	ppm ASTM D5185m	200	<1	---	---
Molybdenum	ppm ASTM D5185m	12	3	---	---
Manganese	ppm ASTM D5185m		2	---	---
Magnesium	ppm ASTM D5185m	12	<1	---	---
Calcium	ppm ASTM D5185m	150	87	---	---
Phosphorus	ppm ASTM D5185m	1650	1518	---	---
Zinc	ppm ASTM D5185m	125	38	---	---
Sulfur	ppm ASTM D5185m	22500	23152	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>50	13	---	---
Sodium	ppm ASTM D5185m	>170	3	---	---
Potassium	ppm ASTM D5185m	>20	2	---	---

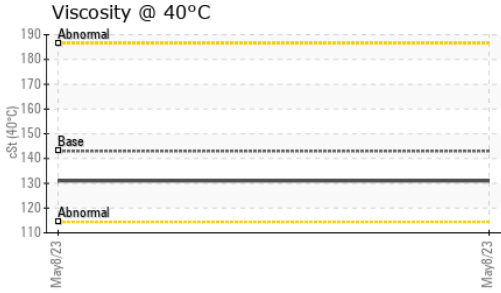
VISUAL

	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

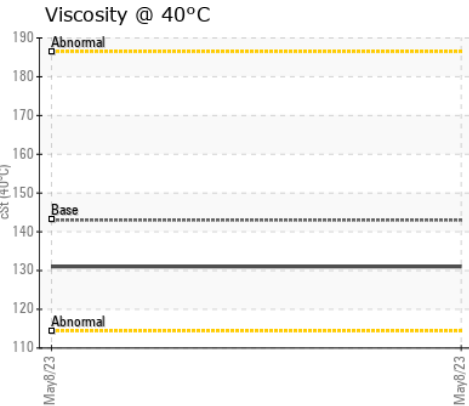
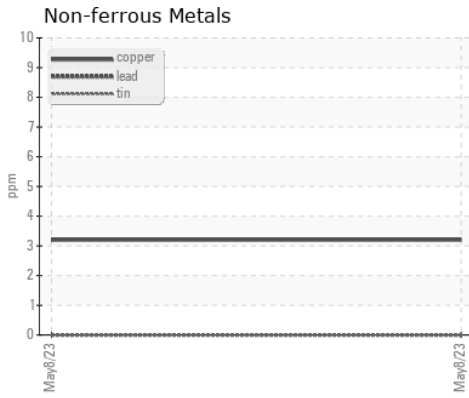
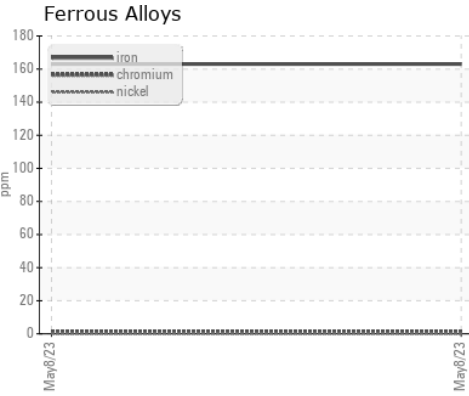
	method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	143	131	---	---

OIL ANALYSIS REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LH0257976 **Received** : 31 May 2023
Lab Number : 05861536 **Diagnosed** : 02 Jun 2023
Unique Number : 10496001 **Diagnostician** : Jonathan Hester
Test Package : CONST

FINKBINER EQUIPMENT CO.
 15 W 400 N FRONTAGE RD
 BURR RIDGE, IL
 US 60527
 Contact: DON FITZGERALD
 dfitzgerald@finkbiner.com
 T: (815)546-8991
 F: (630)654-3792

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)