



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**LIEBHERR A944C-LI C-44 (S/N 028924-194)**  
Component  
**Splitter Box**  
Fluid  
**PHILLIPS EP-5 80W90 (3 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0899817</b>	WC0709473	WC0669234
Sample Date		Client Info		<b>08 Feb 2024</b>	01 Aug 2022	28 Mar 2022
Machine Age	hrs	Client Info		<b>33600</b>	26858	21796
Oil Age	hrs	Client Info		<b>910</b>	1000	1179
Filter Age	hrs	Client Info		<b>0</b>	1000	1179
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>245	<b>12</b>	11	12
Chromium	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>6	<b>2</b>	<1	<1
Lead	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>27	<b>11</b>	7	7
Tin	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

There is no indication of any contamination in the oil.

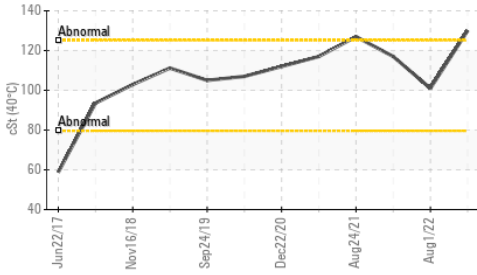
Silicon	ppm	ASTM D5185m	>15	<b>9</b>	1	1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

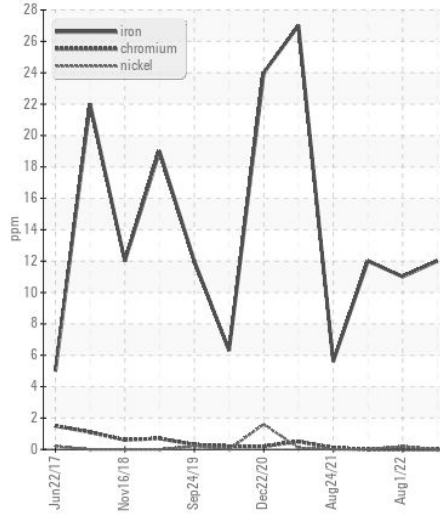
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Boron	ppm	ASTM D5185m		<b>0</b>	119	144
Barium	ppm	ASTM D5185m		<b>15</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>12</b>	0	<1
Calcium	ppm	ASTM D5185m		<b>60</b>	14	12
Phosphorus	ppm	ASTM D5185m		<b>734</b>	624	898
Zinc	ppm	ASTM D5185m		<b>74</b>	116	88
Sulfur	ppm	ASTM D5185m		<b>16142</b>	13636	13082
Visc @ 40°C	cSt	ASTM D445		<b>130</b>	101	117

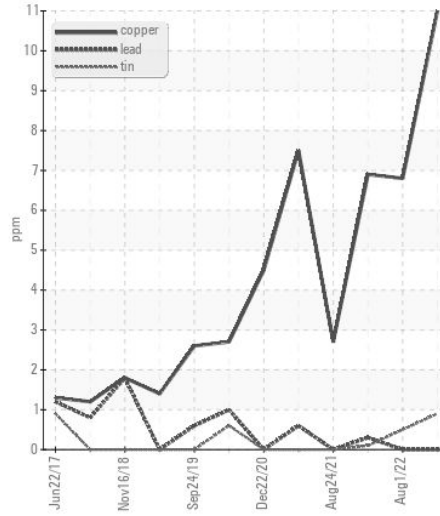
Viscosity @ 40°C



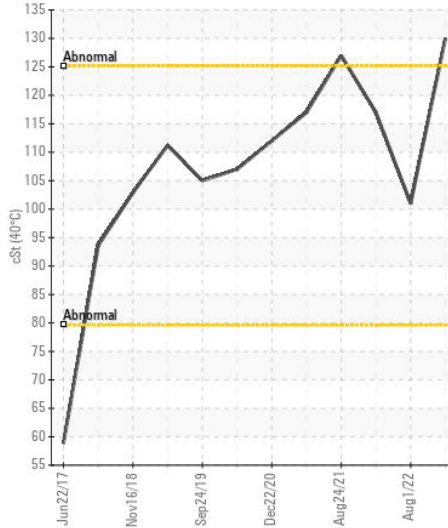
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0899817  
**Lab Number** : 06089158  
**Unique Number** : 10876603  
**Test Package** : CONST  
**Received** : 14 Feb 2024  
**Tested** : 15 Feb 2024  
**Diagnosed** : 16 Feb 2024 - Jonathan Hester

**FRANKLIN IRON & METAL CORP**  
 1939 EAST 1ST ST  
 DAYTON, OH  
 US 45403  
 Contact: BILL PITTL JR  
 parts@frankliniron.com  
 T: (937)253-8184  
 F:

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)