

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A934CHD 062713-1419 - Transmission

Sample No: LH0229490

Oil Type: VALVOLINE 15W40



**METAL RECYCLING SERVICES - GASTONIA**  
 5401 S YORK HWY  
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#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### SAMPLE INFORMATION

Sample Number	LH0229490	DJJ0011185	DJJ0011066	DJJ028740
Sample Date	12 Jul 2023	09 Feb 2023	01 Sep 2021	05 Dec 2017
Machine Hours	12515	12363	10921	7510
Oil Hours	0	1000	0	500
Oil Changed	Not Chngd	Not Chngd	N/A	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	72.2	72.4	95.6	70.73
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#### CONTAMINATION

Silicon	ppm	6	6	2	4
Sodium	ppm	1	<1	<1	4
Potassium	ppm	<1	1	5	<1



#### WEAR METALS

Iron	ppm	18	20	8	23
Copper	ppm	72	74	24	32
Lead	ppm	0	0	2	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	1	<1	<1	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	44	44	2	51
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	3	<1	8
Vanadium	ppm	0	0	0	0



#### ADDITIVES

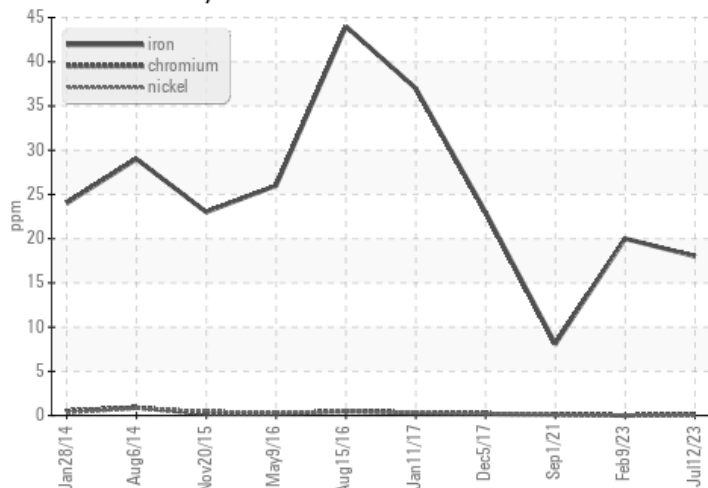
Calcium	ppm	2034	1917	13	971
Magnesium	ppm	267	251	8	717
Zinc	ppm	1163	1104	7	929
Phosphorus	ppm	1012	1013	344	966
Barium	ppm	0	<1	0	<1
Boron	ppm	57	74	16	46

Depot: METGAS  
 Unique No: 10563058  
 Signed: Don Baldrige  
 Report Date: 20 Jul 2023

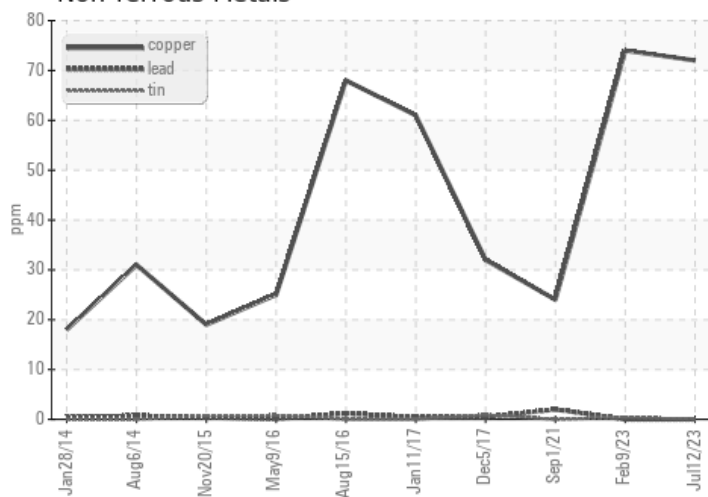


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

