

LIEBHERR

CONSTRUCTION EQUIPMENT



[LIEBHERR] LIEBHERR A934CHD 062713-1419 - Front Left Whe

Sample No: LH0229494

Oil Type: SUPER S 80W90 LS



SAMPLE INFORMATION

Sample Number	LH0229494	DJJ0011189	DJJ0000906	DJJ0000829
Sample Date	12 Jul 2023	09 Feb 2023	09 Feb 2021	19 Nov 2019
Machine Hours	12515	12363	10623	9434
Oil Hours	500	1000	0	500
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

METAL RECYCLING SERVICES - GASTONIA
5401 S YORK HWY
GASTONIA, NC
US 28052
Contact: RYAN BOWDEN



OIL CONDITION

Visc @ 40°C	cSt	121	110	135	113
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T:
F: (704)864-9863



CONTAMINATION

Silicon	ppm	4	8	3	2
Sodium	ppm	0	5	3	3
Potassium	ppm	3	3	4	3

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.



WEAR METALS

Iron	ppm	36	57	349	46
Copper	ppm	12	11	17	32
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	0	2	<1
Chromium	ppm	<1	<1	1	0
Molybdenum	ppm	15	36	<1	1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	4	2
Vanadium	ppm	0	0	0	0



ADDITIVES

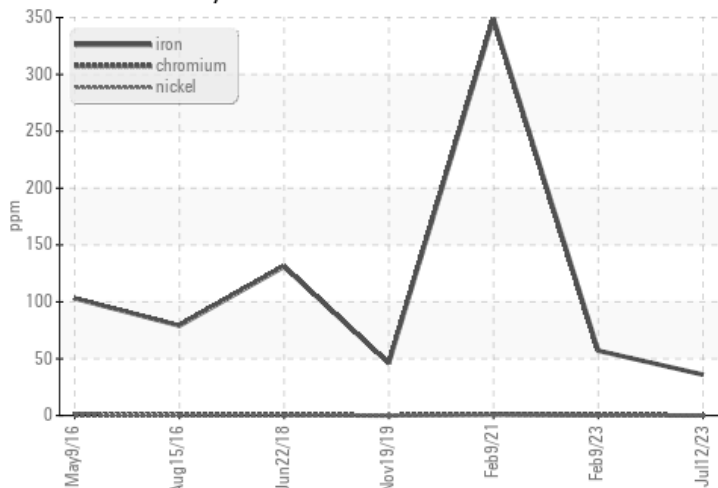
Calcium	ppm	370	878	19	32
Magnesium	ppm	13	21	6	3
Zinc	ppm	267	528	40	31
Phosphorus	ppm	542	689	941	346
Barium	ppm	0	1	0	0
Boron	ppm	13	68	19	9

Depot: METGAS
Unique No: 10562967
Signed: Don Baldrige
Report Date: 20 Jul 2023

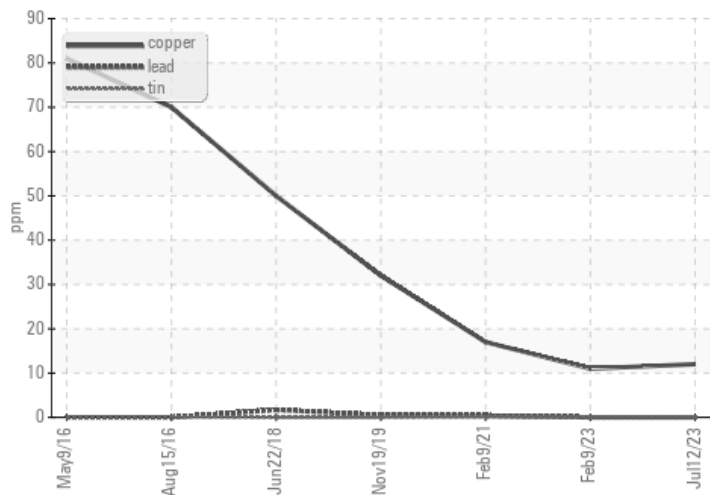


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

