

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1203-77107 - Splitter Box

Sample No: LH0258792

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



#### SAMPLE INFORMATION

Sample Number	LH0258792	LH0243354	LH0254747	LH0254030
Sample Date	01 Mar 2024	30 Aug 2023	16 Jun 2023	28 Mar 2023
Machine Hours	20946	19522	18994	18616
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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#### OIL CONDITION

Visc @ 40°C	cSt	119	118	125	130
		●	●	●	●



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 1	● 1	● 2	● 3
Sodium	ppm	● 0	● 1	● <1	● <1
Potassium	ppm	● 0	● 1	● 2	● 2

#### 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	● 17	● 15	● 16	● 21
Copper	ppm	● 0	● 0	● 0	● 0
Lead	ppm	● 0	● 0	● 0	● 0
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● 0	● <1	● 0	● <1
Chromium	ppm	● 0	● 0	● 0	● <1
Molybdenum	ppm	● 0	● <1	● <1	● <1
Nickel	ppm	● 0	● 0	● 0	● 0
Titanium	ppm	0	1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	● 0	● 0	● 0	● <1
Vanadium	ppm	0	<1	0	0



#### ADDITIVES

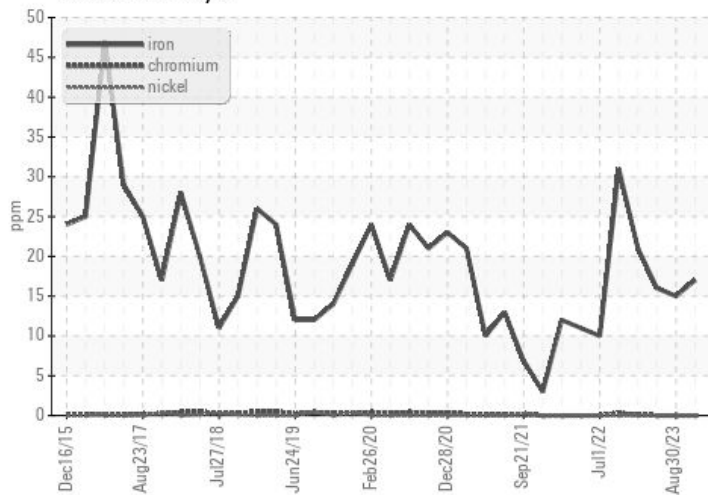
Calcium	ppm	● 48	● 57	● 49	● 79
Magnesium	ppm	● <1	● 6	● 12	● 24
Zinc	ppm	● 26	21	● 31	● 59
Phosphorus	ppm	● 869	● 708	● 755	● 770
Barium	ppm	● 0	● 0	● 0	● <1
Boron	ppm	● 1	● 6	● 7	● 13

Depot: LEC0008  
 Unique No: 10938565  
 Signed: Don Baldrige  
 Report Date: 23 Mar 2024

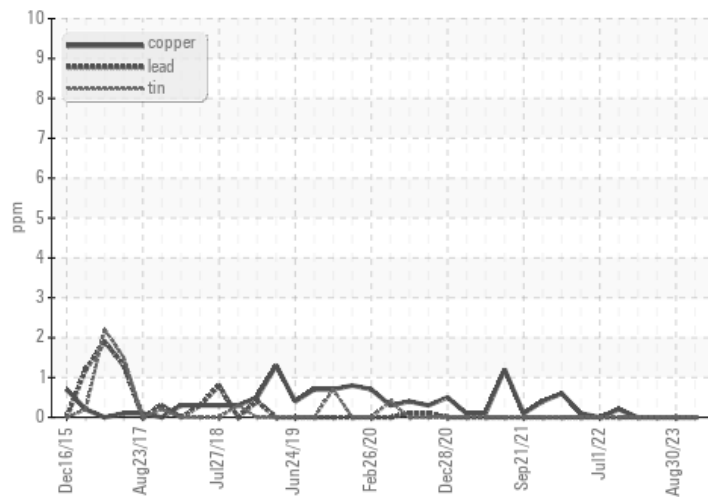


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

