

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 050217-1464 - Transmission (Manual)

Sample No: LH0258269

Oil Type: LIEBHERR GEAR MF 80W



#### SAMPLE INFORMATION

Sample Number	LH0258269	LH0244003	LH0174214	LHMC144215
Sample Date	12 Nov 2023	24 Apr 2023	04 Dec 2020	01 Feb 2019
Machine Hours	5251	5281	1795	527
Oil Hours	0	0	1000	527
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

**M&F CONCRETE PRODUCTS CO**  
 4002 CATLETT RD  
 CATLETT, VA  
 US 20119  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	29.6	50.5	41.9	43.86
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	3	7	19
Sodium	ppm	9	3	18	18
Potassium	ppm	18	<1	2	9

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.



#### WEAR METALS

Iron	ppm	40	6	31	16
Copper	ppm	7	1	4	3
Lead	ppm	2	0	<1	1
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	5	1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	0	0	0



#### ADDITIVES

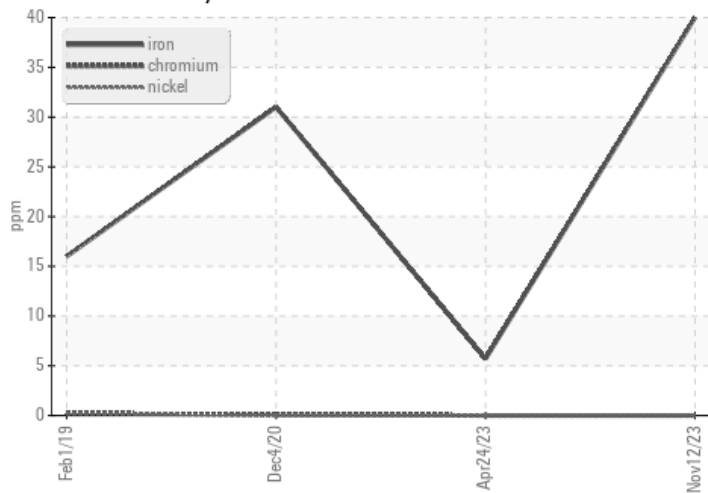
Calcium	ppm	733	3011	3311	3684
Magnesium	ppm	2	7	7	7
Zinc	ppm	55	1341	1352	1484
Phosphorus	ppm	151	1111	1083	1212
Barium	ppm	0	0	0	0
Boron	ppm	181	9	111	100

Depot: MECCAT  
 Unique No: 10778751  
 Signed: Don Baldrige  
 Report Date: 11 Dec 2023

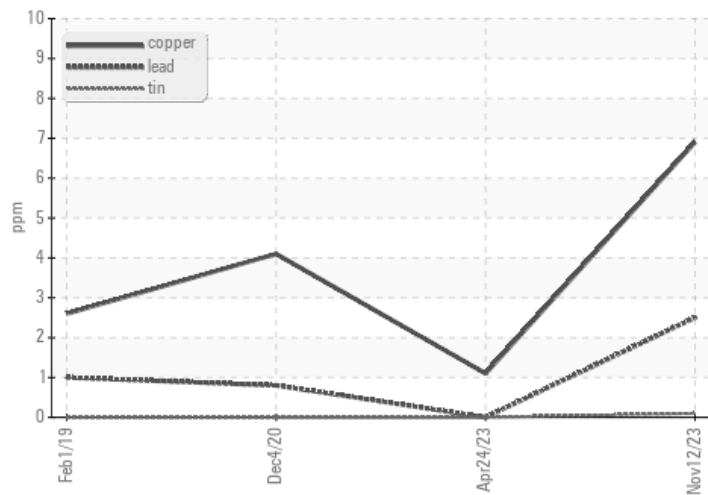


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

