

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 138696-1253 - Splitter Box

Sample No: LH0274186

Oil Type: LIEBHERR GEAR BASIC 90 LS



**METAUX 139 INC.**  
86 RTE MARIE-VICTORIN  
PIERREVILLE, QC  
CA J0G 1J0  
Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	LH0274186	LH0256071	LH0250871	LH0235170
Sample Date	26 Sep 2023	14 Jun 2023	12 Feb 2023	19 Oct 2022
Machine Hours	2491	1925	1202	594
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	172	182	182	191
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T:  
F:



#### CONTAMINATION

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



#### WEAR METALS

Iron	ppm	4	4	8	8
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	4	0	0	0
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



#### ADDITIVES

Calcium	ppm	76	10	10	8
Magnesium	ppm	70	4	<1	2
Zinc	ppm	98	15	12	6
Phosphorus	ppm	2288	2295	2098	1690
Barium	ppm	<1	0	0	0
Boron	ppm	2	1	<1	2

Depot: MET126WIC  
Unique No: 5655232  
Signed: Wes Davis  
Report Date: 02 Oct 2023



### GRAPHS

