

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 144376-1216 - Rear Differential

Sample No: LH0248782

Oil Type: SAE 80W90



**Services Forestiers RGT Inc.**  
1053 Boul. Ducharme  
La Tuque, QC  
CA G9X 3C3  
Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	LH0248782	LH0248794	LH0248806	LH0248818
Sample Date	08 Dec 2023	02 Aug 2023	13 Apr 2023	28 Feb 2023
Machine Hours	1000	2092	1000	533
Oil Hours	0	1000	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	134	136	161	162
		●	●	●	●

T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 5	● 4	● 12	● 9
Sodium	ppm	● 2	● 2	● 2	● 2
Potassium	ppm	● 1	● 1	● <1	● 1

#### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.



#### WEAR METALS

Iron	ppm	● 77	● 50	● 74	● 42
Copper	ppm	● 16	● 10	● 22	● 16
Lead	ppm	● <1	● <1	● <1	● 2
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● 1	● <1	● 2	● 1
Chromium	ppm	● <1	● <1	● <1	● <1
Molybdenum	ppm	● 0	● <1	● 2	● 2
Nickel	ppm	● <1	● <1	● <1	● <1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	<1	<1	0
Manganese	ppm	● 1	● 1	● 2	● 2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	● 59	● 41	● 171	● 178
Magnesium	ppm	● 3	● 2	● 1	● 1
Zinc	ppm	● 26	● 22	● 50	● 47
Phosphorus	ppm	● 947	● 1010	● 1596	● 1553
Barium	ppm	● 0	● <1	● 2	● 2
Boron	ppm	● 79	● 87	● 7	● 7

Depot: SERLAT  
Unique No: 5697802  
Signed: Wes Davis  
Report Date: 21 Dec 2023



### GRAPHS

