

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R945 051101-1866 - Swing Drive

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



**LIEBHERR CANADA LTEE**  
 4250 AUTOROUTE CHOMEDEY 13  
 LAVAL, QC  
 CA H7R 6E9  
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 T: (450)963-7174  
 F: (450)963-9176



#### SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	11 May 2021	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 197	---	---	---
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#### CONTAMINATION

Silicon	ppm	● 1	---	---	---
Sodium	ppm	● 5	---	---	---
Potassium	ppm	● 1	---	---	---



#### WEAR METALS

Iron	ppm	● 67	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 10	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 6	---	---	---
Phosphorus	ppm	● 1573	---	---	---
Barium	ppm	● 7	---	---	---
Boron	ppm	● 4	---	---	---

#### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiqua que ce fluide est du (GENERIC) GEAR OIL SAE 80W90. Veuillez confirmer. 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.

Depot: LIESTL  
 Unique No: 5226492  
 Signed: Wes Davis  
 Report Date: 21 May 2021



### GRAPHS

