

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 044337-1334 - Front Left Wheel Hub

Sample No: LH0154983

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0154983	LH0132989	LH0126223	---
Date d'échant.	06 Feb 2020	22 Nov 2018	10 Jul 2018	---
Heures de la Machine	5000	0	2080	---
Heures de l'huile	0	0	0	---
Huile changée	Changed	Changed	Changed	---
Statut de l'échant.	NORMAL	NORMAL	SEVERE	---

**LIEBHERR CANADA LTEE**  
 4250 AUTOROUTE CHOMEDEY 13  
 LAVAL, QC  
 CA H7R 6E9  
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#### ÉTAT D'HUILE

Visc 40°C	cSt	● 193	● 192	● 190	---
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#### CONTAMINATION

Silicium	ppm	● 5	● 15	● 13	---
Sodium	ppm	● 2	● 3	● 6	---
Potassium	ppm	● <1	● 1	● 0	---



#### MÉTAUX D'USURE

Fer	ppm	● 130	● 148	● 451	---
Cuivre	ppm	● 115	● 116	● 341	---
Plomb	ppm	● 3	● 2	● 9	---
Étain	ppm	● 3	● 3	● 18	---
Aluminium	ppm	● 2	● 4	● 1	---
Chrome	ppm	● 1	● 1	● 3	---
Molybdène	ppm	● 0	● 0	● 0	---
Nickel	ppm	● <1	● <1	● 1	---
Titane	ppm	<1	0	0	---
Argent	ppm	<1	0	0	---
Manganèse	ppm	● 4	● 4	21	---
Vanadium	ppm	0	0	0	---



#### ADDITIFS

Calcium	ppm	18	● 41	● 6	---
Magnésium	ppm	● 4	● 17	● 2	---
Zinc	ppm	25	● 22	● 86	---
Phosphore	ppm	● 2433	● 2263	● 2348	---
Baryum	ppm	● 0	● 0	● 0	---
Bore	ppm	● <1	● <1	● 2	---

#### Diagnostic

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.

Depot: LIESTL  
 Unique No: 5004732  
 Signed: Wes Davis  
 Report Date: 11 Feb 2020



### GRAPHS

