

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C102201 - Front Right Wheel Hub

Sample No: LH0130422

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0130422	---	---	---
Sample Date	17 Jul 2018	---	---	---
Machine Hours	542	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

BEN-MET STEEL & METAL INC.

415 ELIZABETH STREET

GUELPH, ON

CA N1E 2Y2

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OIL CONDITION

Visc @ 40°C	cSt	● 183	---	---	---
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CONTAMINATION

Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 5	---	---	---
Potassium	ppm	● 1	---	---	---



WEAR METALS

Iron	ppm	● 42	---	---	---
Copper	ppm	● 16	---	---	---
Lead	ppm	● 2	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 49	---	---	---
Magnesium	ppm	● 5	---	---	---
Zinc	ppm	● 63	---	---	---
Phosphorus	ppm	● 2243	---	---	---
Barium	ppm	● 9	---	---	---
Boron	ppm	● 4	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: BENGUE

Unique No: 4721443

Signed: Wes Davis

Report Date: 24 Jul 2018



GRAPHS

