

LIEBHERR

CONSTRUCTION EQUIPMENT



144379-1218 - Front Right Wheel Hub

Sample No: LH0255215

Oil Type: GEAR OIL SAE 80W90



American Iron and Metal
 10305 Metropolitaine Est, Garage porte 13
 Montreal, QC
 CA H1B 1A1
 Contact: Sebastien Liautaud
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SAMPLE INFORMATION

Sample Number	LH0255215	LH0255204	---	---
Sample Date	06 Dec 2023	09 Jun 2023	---	---
Machine Hours	2248	1110	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	139	149	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	6	15	---	---
Sodium	ppm	3	4	---	---
Potassium	ppm	1	2	---	---



WEAR METALS

Iron	ppm	80	103	---	---
Copper	ppm	2	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	4	---	---
Chromium	ppm	1	3	---	---
Molybdenum	ppm	0	2	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	51	199	---	---
Magnesium	ppm	1	2	---	---
Zinc	ppm	12	59	---	---
Phosphorus	ppm	635	1555	---	---
Barium	ppm	<1	1	---	---
Boron	ppm	1	5	---	---

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: LACMON
 Unique No: 5695760
 Signed: Wes Davis
 Report Date: 12 Dec 2023



GRAPHS

