# CONSTRUCTION EQUIPMENT

## [[579683]] LIEBHERR L586 71616 - Rear Axle

Sample No: LH0270216

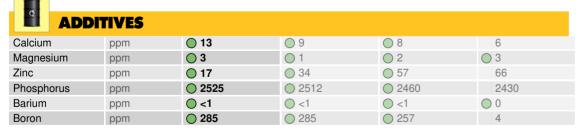
Oil Type: SAE 80W90

### **SAMPLE INFORMATION**

Sample Number		LH0270216	LH0270314	LH0274528	LH0256669
Sample Date		04 Oct 2023	25 Sep 2023	20 Aug 2023	17 Apr 2023
Machine Hours		0	2888	2389	1042
Oil Hours		0	0	0	0
Oil Changed		N/A	N/A	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	ABNORMAL
OIL CO	<b>NDITION</b>				
Visc @ 40°C	cSt	98.7	98.7	0 107	193

	AMINATIO	ON			
Silicon	ppm	<b>3</b>	O 5	0 11	21
Sodium	ppm	02	2	5	6
Potassium	ppm	0	0	○ <1	01

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	AR META	LS				
Iron	ppm	● 24	○ 75	0 163	0 173	
Copper	ppm	<b>12</b>	0 41	84	0 166	
Lead	ppm	<b>○</b> <1	01	02	0 4	
Tin	ppm	<b>○</b> <1	0 2	○ 5	8	
Aluminum	ppm	<b>○</b> <1	○ <1	0 1	01	
Chromium	ppm	0	○ <1	02	2	
Molybdenum	ppm	0	0	◯ <1	◯ <1	
Nickel	ppm	<b>○</b> <1	0	◯ <1	○ <1	
Titanium	ppm	0	0	0	0	
Silver	ppm	<1	<1	0	0	
Manganese	ppm	<b>○</b> <1	○ 5	22	36	
Vanadium	ppm	0	0	0	0	



#### DOFASCO INC.

P.O. BOX 2460, 1330 BURLINGTON ST.E, HEAVY EQUIPMENT REPAIR HAMILTON, ON CA L8N 3J5 Contact: HAROLD LOUDEN harold.louden@arcelormittal.com T: (905)548-7200 F: (905)548-7465

#### Diagnosis

The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Boron ppm levels are abnormally high. Visc @ 40°C is abnormally low. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate.

Depot:	DOFHAM
Unique No:	5656314
Signed:	Kevin Marson
Report Date:	06 Oct 2023

Contact/Location: HAROLD LOUDEN - DOFHAM





GRAPHS

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