

[WILLIS KERR] LIEBHERR L586 59553 - Rear Differential

Sample No: LH0173449

Oil Type: LIEBHERR GEAR BASIC 90 LS

SAMPLE INFORMATION

Sample Number	LH0173449	
Sample Date	20 Jul 2023	
Machine Hours	4002	
Oil Hours	0	
Oil Changed	Changed	
Sample Status	NORMAL	
A		

91.2

OIL CONDITION

Visc @ 40°C

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	NTAMINA	TION		
Silicon	ppm	03	 	
Sodium	ppm	01	 	
Potassium	ppm	0 (

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WE/	AR META	LS		
Iron	ppm	0 47	 	
Copper	ppm	0 24	 	
Lead	ppm	03	 	
Tin	ppm	01	 	
Aluminum	ppm	○ <1	 	
Chromium	ppm	○ <1	 	
Molybdenum	ppm	0 (
Nickel	ppm	0 (
Titanium	ppm	0 🔘	 	
Silver	ppm	0	 	
Manganese	ppm	0 2	 	
Vanadium	ppm	0	 	



ADDITIVES

Calcium	ppm	0 12	 	
Magnesium	ppm	02	 	
Zinc	ppm	24	 	
Phosphorus	ppm	0 2645	 	
Barium	ppm	0	 	
Boron	ppm	303	 	



LIEBHERR CANADA LTD.

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8 Contact: Joseph Gillis joseph.gillis@liebherr.com T: F: (905)319-6622

Diagnosis

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. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

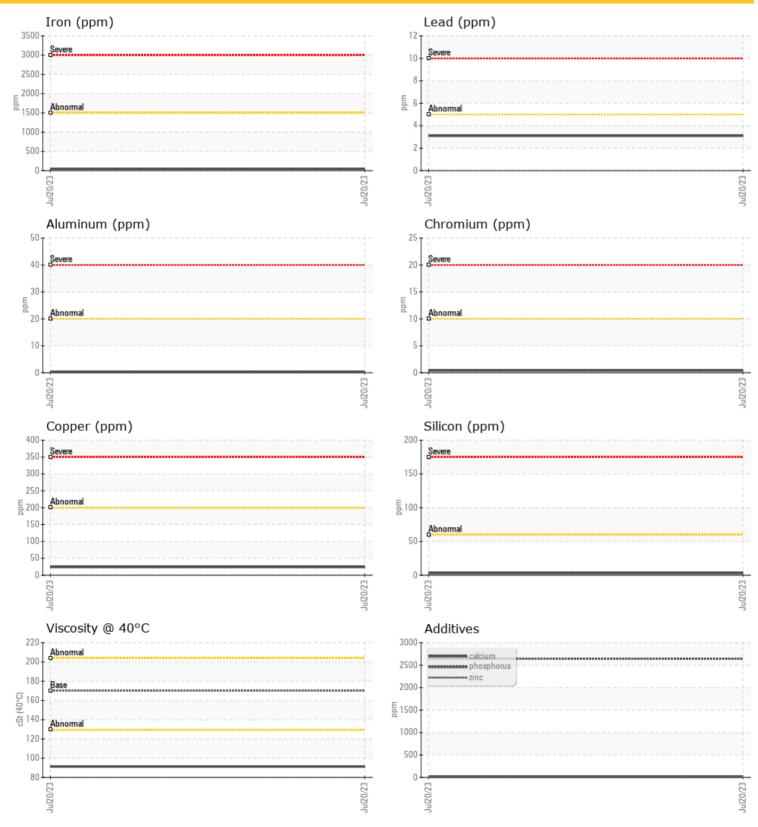
Depot:	LIEMIS
Unique No:	5616770
Signed:	Kevin Marson
Report Date:	24 Jul 2023





GRAPHS

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Contact/Location: Joseph Gillis - LIEMIS