LIEBHERR

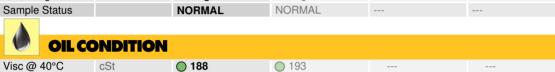
CONSTRUCTION EQUIPMENT

LIEBHERR L566 071183-1758 - Rear Differential

Sample No: LH0251931

Oil Type: LIEBHERR GEAR BASIC 90 LS

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SAMPLEIN	IFORMATION		
Sample Number	LH0251931	LH0260619	
Sample Date	29 Dec 2023	19 May 2023	
Machine Hours	3102	1190	
Oil Hours	0	0	
Oil Changed	Changed	Changed	
Sample Status	NORMAL	NORMAL	
A			



CON	TAMINA	TION		
Water	%	NEG	NEG	
Silicon	ppm	4	O 24	
Sodium	ppm	1	5	
Potassium	ppm	○ <1	O <1	

WEAR METALS Iron ppm 66 297 Copper ppm 17 199 Lead ppm 1 5 Tin ppm 1 9 Aluminum ppm <1 1 Chromium ppm <1 2 Molybdenum ppm 0 0 Nickel ppm 1 9 Titanium ppm 0 0 Silver ppm 0 0					
Copper ppm 17 199 Lead ppm <1 5 Tin ppm 1 9 Aluminum ppm <1 1 Chromium ppm <1 2 Molybdenum ppm 0 0 Nickel ppm 1 9 Titanium ppm 0 0 Silver ppm 0 0	WEA	R META	LS		
Lead ppm O <1 O 5 Tin ppm O 1 O 9 Aluminum ppm O <1 O 1 Chromium ppm O <0 Molybdenum ppm O O Nickel ppm O O Titanium ppm O O Silver ppm O O	Iron	ppm	66	O 297	
Tin ppm 0 1 9 Aluminum ppm 0 < 1	Copper	ppm	17	O 199	
Aluminum ppm 0 1 Chromium ppm 0 2 Molybdenum ppm 0 0 Nickel ppm 0 9 Titanium ppm 0 0 Silver ppm 0 0	Lead	ppm	 <1	O 5	
Chromium ppm 0 Molybdenum ppm 0 0 Nickel ppm 0 9 Titanium ppm 0 0 Silver ppm 0 0	Tin	ppm	1	O 9	
Molybdenum ppm 0 0 Nickel ppm 1 9 Titanium ppm 0 0 Silver ppm 0 0	Aluminum	ppm	 <1	O 1	
Nickel ppm 1 9 Titanium ppm 0 0 Silver ppm 0 0	Chromium	ppm	○ <1	O 2	
Titanium ppm 0 0 Silver ppm 0 0	Molybdenum	ppm	0	O 0	
Silver 0 0	Nickel	ppm	0 1	O 9	
The state of the s	Titanium	ppm	0	0	
	Silver	ppm	0	0	
Manganese ppm 33 32	Manganese	ppm	3	32	
Vanadium ppm 0	Vanadium	ppm	0	0	

variadium	ppm	U	U	
0				
ADDI	IIVES			
Calcium	ppm	8	O 5	
Magnesium	ppm	0 <1	O <1	
Zinc	ppm	34	43	
Phosphorus	ppm	2264	2463	
Barium	ppm	0	O 0	
Boron	ppm	() <1	1	



Abbycel Substrate Ltd. 3545 Ross Road Abbotsford, BC CA V4X 1M6

Contact: Service Manager

T: F:

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:ABB354ABBUnique No:5708340Signed:Kevin MarsonReport Date:09 Jan 2024





GRAPHS

