LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH30 114399-1253 - Splitter Box

Sample No: LH0258236

Oil Type: LIEBHERR GEAR BASIC 90 LS

5							
SAMPLEINFORMATION							
Sample Number	LH0258236	LH0191006					
Sample Date	02 Nov 2023	05 Aug 2021					
Machine Hours	5170	2002					
Oil Hours	1000	1546					
Oil Changed	Changed	Changed					
Sample Status	NORMAL	NORMAL					

- ap.	Otatao					
	OIL CO	NDITION				
Visc @		cSt	188	244	 	
-1						

CONT	IAMINATI	ON		
Water	%	NEG	NEG	
Silicon	ppm	4	O 1	
Sodium	ppm	1	3	
Potassium	ppm	0	O 2	

Iron ppm 24 12 Copper ppm 3 2 Lead ppm 0 <1 Tin ppm 1 0 Aluminum ppm 1 1 Chromium ppm 0 <1 Molybdenum ppm 0 <1 Nickel ppm 0 <1 Titanium ppm 0 < Silver ppm 0 < Manganese ppm 1 <1	WEA	R META	LS		
Lead ppm 0 -1 Tin ppm 0 Aluminum ppm 1 1 Chromium ppm 0 Molybdenum ppm 0 0 Nickel ppm 0 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm 1 <1	Iron	ppm	24	O 12	
Tin ppm 0 Aluminum ppm 1 1 Chromium ppm 0 0 Molybdenum ppm 0 0 Nickel ppm 0 0 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm 0 1	Copper	ppm	3	O 2	
Aluminum ppm 1 Chromium ppm 0 <1	Lead	ppm	0	O <1	
Chromium ppm 0 Molybdenum ppm 0 0 Nickel ppm 0 <-1	Tin	ppm	 <1	0	
Molybdenum ppm 0 0 Nickel ppm 0 <1	Aluminum	ppm	1	O 1	
Nickel ppm 0 <1 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm 1 <1	Chromium	ppm	0	O <1	
Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm 1 <1	Molybdenum	ppm	0	0	
Silver ppm 0 0 Manganese ppm 1 <1	Nickel	ppm	0	O <1	
Manganese ppm O1	Titanium	ppm	0	0	
	Silver	ppm	0	0	
	Manganese	ppm	1	O <1	
Vanadium ppm 0	Vanadium	ppm	0	0	

vanadium	ppm	0	0	
ADDI	TIVES			
Calcium	ppm	23	O 115	
Magnesium	ppm	0	O 2	
Zinc	ppm	17	O 72	
Phosphorus	ppm	2247	1048	
Barium	ppm	0	O 0	
Boron	ppm	6	O 22	



SIMS METAL MANAGEMENT 3220 DEEPWATER TERMINAL RD RICHMOND, VA US 23234

Contact: Service Manager

T: (703)392-0111 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.

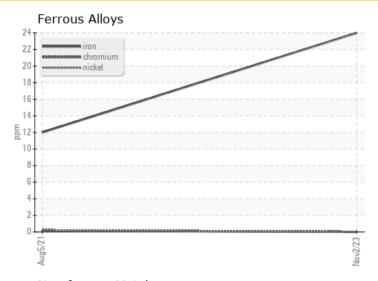
Depot:SIMRICLHUnique No:10888033Signed:Sean FeltonReport Date:22 Feb 2024

CONSTRUCTION EQUIPMENT

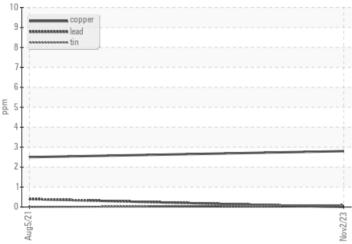




GRAPHS







Viscosity @ 40°C

