LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH60M 117281-1217 - Swing Drive

Sample No: LH0273567

Oil Type: LIEBHERR GEAR BASIC 90 LS

Sample Information							
Sample Number	LH0273567	LH0254358					
Sample Date	10 May 2024	03 Mar 2023					
Machine Hours	9824	7467					
Oil Hours	0	1000					
Oil Changed	Not Changd	Changed					
Sample Status	SEVERE	SEVERE					
A							

Jii Onai	igeu		Not Change	Onlangeu		
Sample	Status		SEVERE	SEVERE	***	
A						
	Oil Co	ndition				
Visc @	40°C	cSt	236	O 239		
44						

Con	ntaminat	ion		
Water	%	0.301	0.404	
Silicon	ppm	12	6	
Sodium	ppm	3	0 2	
Potassium	ppm	3	0	

Iron ppm 4478 2304 Copper ppm 1481 742 Lead ppm 0 0 Tin ppm 45 15 Aluminum ppm 1 4 Chromium ppm 46 26 Molybdenum ppm 2 1 Nickel ppm 10 4 Nickel ppm 0 Silver ppm <1 <1 Manganese ppm 35 20	Wed	ır Metals	•		
Lead ppm 0 0 Tin ppm 45 15 Aluminum ppm 1 4 Chromium ppm 46 26 Molybdenum ppm 2 1 Nickel ppm 10 4 Titanium ppm 0 0 Silver ppm <1 <1	Iron	ppm	4478	2304	
Tin ppm 45 15 Aluminum ppm 1 4 Chromium ppm 46 26 Molybdenum ppm 2 1 Nickel ppm 10 4 Titanium ppm 0 0 Silver ppm <1	Copper	ppm	1481	O 742	
Aluminum ppm 1 4 Chromium ppm 46 26 Molybdenum ppm 2 1 Nickel ppm 10 4 Titanium ppm 0 0 Silver ppm <1	Lead	ppm	0	O 0	
Chromium ppm 46 26 Molybdenum ppm 2 1 Nickel ppm 10 4 Titanium ppm 0 0 Silver ppm <1	Tin	ppm	45	<u> </u>	
Molybdenum ppm 2 1 Nickel ppm 10 4 Titanium ppm 0 0 Silver ppm <1	Aluminum	ppm	1	4	
Nickel ppm 10 4 Titanium ppm 0 0 Silver ppm <1	Chromium	ppm	46	<u>0</u> 26	
Titanium ppm 0 0 Silver ppm <1 <1	Molybdenum	ppm	2	O 1	
Silver ppm <1 <1	Nickel	ppm	10	O 4	
PP -	Titanium	ppm	0	0	
Manganese ppm ○ 35 ○ 20	Silver	ppm	<1	<1	
	Manganese	ppm	35	20	
Vanadium ppm <1	Vanadium	ppm	<1	<1	

Addi	lives			
Calcium	ppm	32	O 20	
Magnesium	ppm	5	O 2	
Zinc	ppm	53	O 24	
Phosphorus	ppm	2576	2334	
Barium	ppm	0	0	
Boron	ppm	2	0	



SIMS METAL MANAGEMENT 3220 DEEPWATER TERMINAL RD RICHMOND, VA US 23234 Contact: Service Manager

T: (703)392-0111

F:

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Bearing and/or bushing wear is indicated. There is a moderate concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:SIMRICLHUnique No:11085547Signed:Angela BorellaReport Date:19 Jun 2024

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Graphs

