LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH22M 081593-1197 - Swing Drive

Sample No: LH0243842

Oil Type: LIEBHERR GEAR BASIC 90 LS

5							
SAMPLEINFORMATION							
Sample Number	LH0243842	LH0243915					
Sample Date	03 Jun 2023	21 Jan 2023					
Machine Hours	14541	13475					
Oil Hours	2000	1000					
Oil Changed	Changed	Changed					
Sample Status	NORMAL	ABNORMAL					
A							

ampie	Status		NONWAL	ADNONIVIAL	
0	OIL CO	NDITION			
/isc @	40°C	cSt	200	O 131	
- 1					

CON	MATI	ATION			
Water	%		0.274	 	
Silicon	ppm	3	3	 	
Sodium	ppm	1	O 14	 	
Potassium	ppm	0	O 2	 	

Iron ppm 874 515 Copper ppm 212 105 Lead ppm 0 0 Tin ppm 3 2 Aluminum ppm <1 Chromium ppm 0 10 7 Molybdenum ppm <1 <1 Nickel ppm 0 0 Titanium ppm 0 0 Manganese ppm 7 5 Vanadium ppm 0 <1	WE/	AR META	LS		
Lead ppm 0 0 Tin ppm 3 2 Aluminum ppm <1 Chromium ppm 0 0 Molybdenum ppm <1 <1 Nickel ppm <1 0 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm 7 5	Iron	ppm	874	O 515	
Tin ppm 3 2 Aluminum ppm <1	Copper	ppm	212	O 105	
Aluminum ppm <1	Lead	ppm	0	O 0	
Chromium ppm 10 7 Molybdenum ppm <1	Tin	ppm	3	O 2	
Molybdenum ppm <1	Aluminum	ppm	<1	O <1	
Nickel ppm Image: square of the content	Chromium	ppm	10	O 7	
Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm 7 5	Molybdenum	ppm	<1	<1	
Silver ppm 0 0 Manganese ppm 0 7 5	Nickel	ppm	○ <1	O 0	
Manganese ppm 07 5	Titanium	ppm	0	0	
	Silver	ppm	0	0	
Vanadium ppm 0 <1	Manganese	ppm	7	5	
	Vanadium	ppm	0	<1	

variadium	ppm	U	< 1	
0				
ADDIT	TIVES			
Calcium	ppm	41	8	
Magnesium	ppm	2	<1	
Zinc	ppm	46	37	
Phosphorus	ppm	1885	588	
Barium	ppm	0	0	
Boron	ppm	0	1	



BAY DISPOSAL 2224 SPRINGFIELD AVE NORFOLK, VA US 23523 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:BAYNORUnique No:10548853Signed:Don BaldridgeReport Date:11 Jul 2023

CONSTRUCTION EQUIPMENT





GRAPHS

