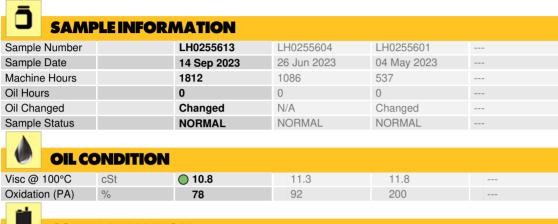
LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 145461-1216 - Diesel Engine

Sample No: LH0255613

Oil Type: DIESEL ENGINE OIL SAE 10W30



CONTAMINATION								
Water	%	NEG	NEG	NEG				
Soot %	%	0	O 0	O 0				
Nitration (PA)	%	68	68	104				
Sulfation (PA)	%	58	67	109				
Glycol	%	NEG	NEG	NEG				
Fuel	%	<1.0	O 1.7	O 1.5				
Silicon	ppm	7	4	0 8				
Sodium	ppm	2	O 2	O 2				
Potassium	ppm	0	O <1	4				

WEA	R METAL	S			
Iron	ppm	5	5	O 11	
Copper	ppm	42	101	240	
Lead	ppm	2	3	0 8	
Tin	ppm	○ <1	O <1	<1	
Aluminum	ppm	1	O <1	O 2	
Chromium	ppm	○ <1	O <1	<1	
Molybdenum	ppm	55	5 4	46	
Nickel	ppm	0	0	O 0	
Titanium	ppm	0	0	<1	
Silver	ppm	○ <1	0	O 0	
Manganese	ppm	0	<1	1	
Vanadium	ppm	0	0	0	

ADDITIVES								
Calcium	ppm	1002	O 1058	O 1317				
Magnesium	ppm	940	938	924				
Zinc	ppm	1172	O 1125	876				
Phosphorus	ppm	1005	O 1004	O 773				
Barium	ppm	2	6	○ 30				
Boron	ppm	4	O 16	100				



GENERAL RECYCLING INDUSTRIES LTD.

4120 - 84 AVENUE EDMONTON, AB CA T6B 3H3 Contact: Corey MacKay cmackay@trailco.ca T: (587)926-1610

F: (780)485-4294

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:
 GEN156EDM

 Unique No:
 5684923

 Signed:
 Wes Davis

 Report Date:
 30 Nov 2023

LIEBHERR

CONSTRUCTION EQUIPMENT





GRAPHS

