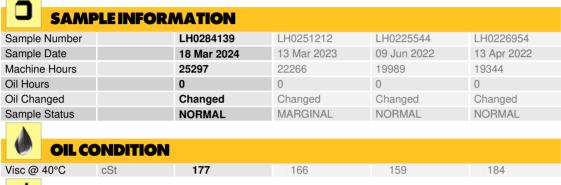
LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 094197-1216 - Swing Drive

Sample No: LH0284139

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



CONTAMINATION							
Water	%	NEG	0.197	NEG	NEG		
Silicon	ppm	2	O 2	O <1	O 1		
Sodium	ppm	5	O 2	3	O 2		
Potassium	ppm	○ <1	O <1	1	O <1		

WEAR METALS						
Iron	ppm	316	○ 304	O 165	○ 314	
Copper	ppm	144	O 196	0 70	7 3	
Lead	ppm	3	5	O 2	O 2	
Tin	ppm	2	O 7	O 2	3	
Aluminum	ppm	0	O <1	O <1	O <1	
Chromium	ppm	1	O 2	O <1	O 2	
Molybdenum	ppm	0	0	O 0	0	
Nickel	ppm	0 <1	O <1	O <1	O <1	
Titanium	ppm	0	O 0	O 0	0	
Silver	ppm	0	0	0	0	
Manganese	ppm	4	O 2	1	O 2	
Vanadium	ppm	0	0	0	0	

vanadium	ppm	U	U	U	U		
ADDITIVES							
Calcium	ppm	19	26	O 17	O 12		
Magnesium	ppm	0 <1	O <1	O <1	O 1		
Zinc	ppm	25	106	6 9	O 71		
Phosphorus	ppm	2231	2115	2382	2461		
Barium	ppm	10	0	O 0	O 0		
Boron	ppm	1	4	3	5		



INDUSTRIES GDS INC. 207 ROUTE 295 VILLE-DEGELIS, QC CA G5T 1R1

Contact: Martin Deschenes mdeschenes@groupgds.com

T: (418)853-2566

F:

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: INDVIL
Unique No: 5748941
Signed: Wes Davis
Report Date: 21 Mar 2024

LIEBHERR

CONSTRUCTION EQUIPMENT





GRAPHS

