## CONSTRUCTION EQUIPMENT

## [(343446)] LIEBHERR LH60M 124381-1217 - Swing Drive

Sample No: LH0289701

Oil Type: GEAR OIL SAE 75W90

Sample Information					
Sample Number		LH0289701	LH0265840	LH0256690	LH0251489
Sample Date		16 Apr 2024	26 Jun 2023	02 Apr 2023	06 Feb 2023
Machine Hours		13245	10141	9107	8526
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
Oil Condition					
Visc @ 40°C	cSt	<b>103</b>	0 105	0 104	0 101
-					

Con	taminati	on			
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	◯ <1	0 2	02	2
Sodium	ppm	0 10	○ <1	◯ <1	◯ <1
Potassium	ppm	0 2	0	0	02

Ä					
Wea	r Metals				
Iron	ppm	0 121	89	◯ 43	240
Copper	ppm	<b>0</b> 21	◯ 31	22	83
Lead	ppm	0	○ <1	◯ <1	02
Tin	ppm	0 ()	0	○ <1	○ <1
Aluminum	ppm	0	0	◯ <1	◯ <1
Chromium	ppm	<b>○</b> <1	○ <1	◯ <1	02
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	○ <1	○ <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<b>○</b> <1	○ <1	○ <1	02
Vanadium	ppm	0	0	0	0

0 **Additives** Calcium ppm 0 11 0 10 0 12  $\bigcirc 4$ 01 Magnesium ppm  $\bigcirc 2$ 2 1 Zinc 09 0 10 0 11 011 ppm Phosphorus ppm 0 1235 0 1288 0 1276 0 1291 Barium 0 0 ppm 0 0 Boron 0 308 296 289 ppm 0 297





## RAM IRON AND METAL

60 Ashwarren Road TORONTO, ON CA M3J 1Z5 Contact: PETER RACCO PETER@RAMIRON.COM T: (416)630-4545 F: (416)630-5258

## 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.

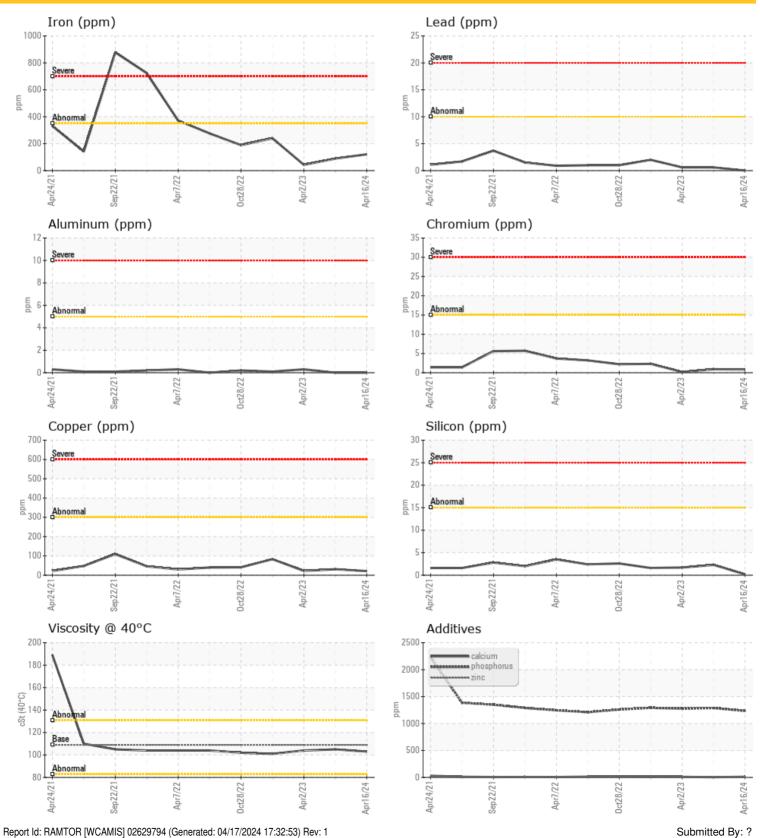
Depot:	RAMTOR
Unique No:	5762926
Signed:	Wes Davis
Report Date:	17 Apr 2024
	Submitted By: ?





Graphs

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