LIEBHERR

CONSTRUCTION EQUIPMENT



[(344091)] LIEBHERR LH40M 120553-1215 - Rear Differential

Sample No: LH0193887

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

SAMPLEINFORMATION						
Sample Number	LH0193887	LH0193859	LH0193845			
Sample Date	13 Feb 2024	21 Feb 2023	11 Oct 2021			
Machine Hours	4086	2835	1021			
Oil Hours	0	0	0			
Oil Changed	Changed	Changed	Changed			
Sample Status	NORMAL	NORMAL	NORMAL			
A						



Contact: Service Manager

Т	:
F	:

Diagnosis

OILCO	ONDITION				
Visc @ 40°C	cSt	165	99.9	101	

CONTAMINATION Water % NEG Silicon **2** 02 **3** ppm Sodium **3** 02 02 ppm Potassium 0<1 ppm

(O) WE					
₩E/	AR META	LS			
Iron	ppm	65	3 7	O 14	
Copper	ppm	25	O 85	○ 32	
Lead	ppm	1	3	1	
Tin	ppm	0	O <1	O <1	
Aluminum	ppm	 <1	 <1	O <1	
Chromium	ppm	0	O 0	0 0	
Molybdenum	ppm	0	 <1	O <1	
Nickel	ppm	0	O 0	<1	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	<1	
Manganese	ppm	() <1	O 2	O <1	
Vanadium	ppm	0	0	0	

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.

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ADDI					
ADDI	TIVES				
Calcium	ppm	7	O 11	○ 36	
Magnesium	ppm	○ <1	O <1	1	
Zinc	ppm	21	48	28	
Phosphorus	ppm	2176	1367	O 1364	
Barium	ppm	0	0	O <1	
Boron	ppm	36	○ 317	O 245	

Depot:GOOCHIUnique No:5733509Signed:Wes DavisReport Date:16 Feb 2024

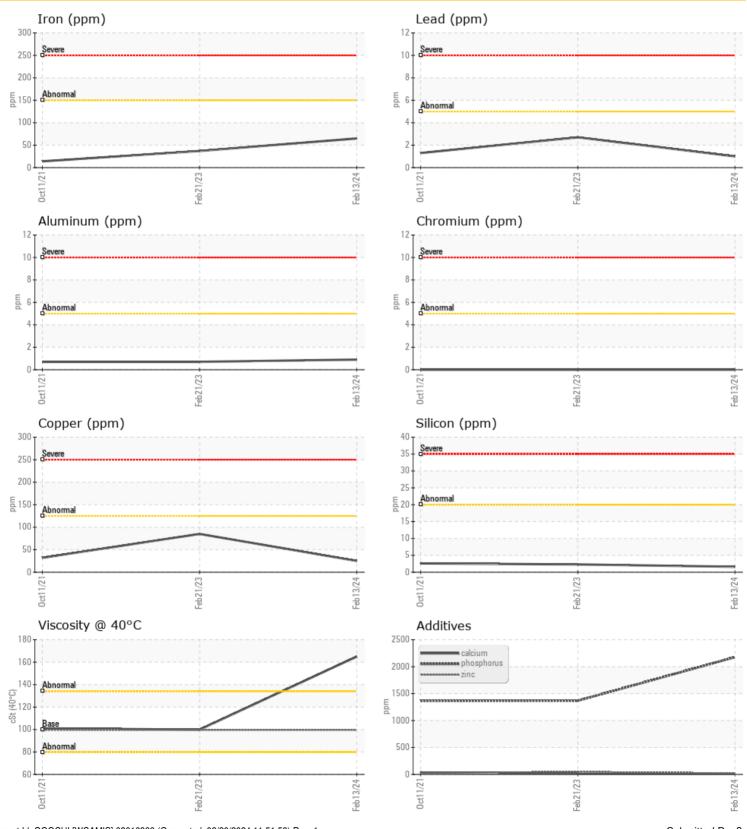
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GRAPHS



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