CONSTRUCTION EQUIPMENT

LIEBHERR PR776 021879-1860 - Splitter Box

Sample No: LH0174051

Oil Type: **CHEVRON MULTIGEAR 85W140**

5					
SAMPLEINFORMATION					
Sample Number	LH0174051				
Sample Date	10 Oct 2023				
Machine Hours	2436				
Oil Hours	0				
Oil Changed	N/A				
Sample Status	ABNORMAL				
OIL CONDITION					

4	
	OIL CONDITION

ppm

ppm

1

Silver

Manganese

Visc @ 40°C **142**

iii con						
CONTAMINATION						
Water	%	0.581				
Silicon	ppm	11				
Sodium	ppm	27				
Potassium	ppm	14				

(O) WE	AR META	16		
44 EV	AR MEIA			
Iron	ppm	<u> </u>	 	
Copper	ppm	12	 	
Lead	ppm	() <1	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm	1	 	
Molybdenum	ppm	5	 	
Nickel	ppm	O <1	 	
Titanium	ppm	<1	 	

ADDITIVES Calcium ppm 40 Magnesium ppm 6 Zinc ppm 111 Phosphorus ppm 918 Barium ppm 10 Boron ppm 132	Vanadium	ppm	0				
Calcium ppm 40 Magnesium ppm 6 Zinc ppm 111 Phosphorus ppm 918 Barium ppm 10	Appitives						
Magnesium ppm 6 Zinc ppm 111 Phosphorus ppm 918 Barium ppm 10		IIVES					
Zinc ppm 111 Phosphorus ppm 918 Barium ppm 10		ppm	40				
Phosphorus ppm 918 Barium ppm 10	Magnesium	ppm	6				
Barium ppm 10	Zinc	ppm	111				
-	Phosphorus	ppm	918				
Boron ppm 132	Barium	ppm	10				
	Boron	ppm	132				



LIEBHERR MINING EQUIPMENT CO

5800 S DOUGLAS HWY GILLETTE, WY US 82718 Contact: TED PILZ

ted.pilz@liebherr.com T: (775)388-0663

F:

Diagnosis

We advise that you check for the source of water entry. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEGIL Unique No: 10710238 Signed: Jonathan Hester **Report Date:** 26 Oct 2023

Contact/Location: TED PILZ - LIEGIL

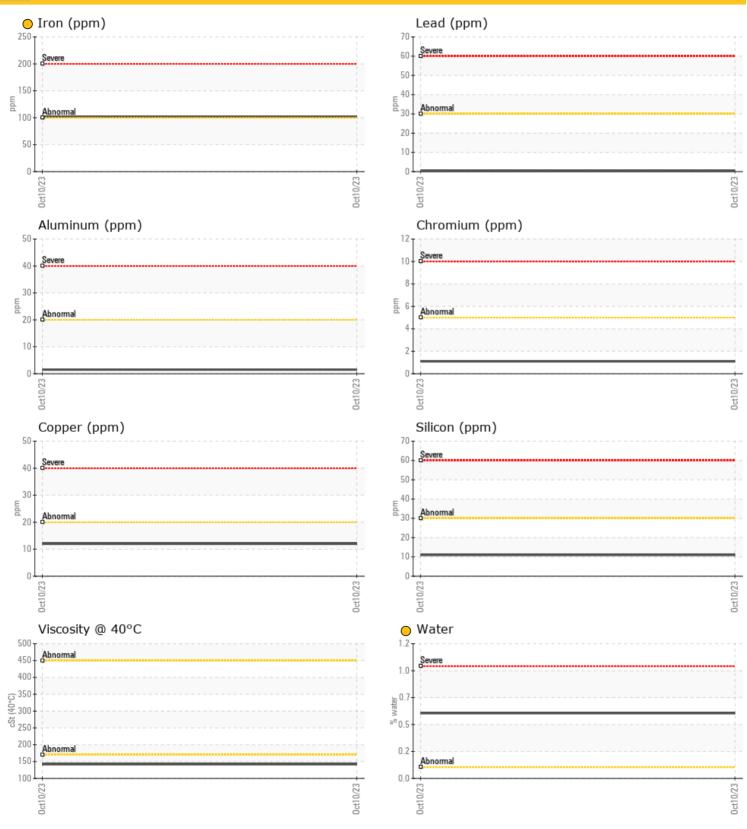
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CONSTRUCTION EQUIPMENT





GRAPHS



Report Id: LIEGIL [WUSCAR] 05987576 (Generated: 10/26/2023 10:59:40) Rev: 1

Contact/Location: TED PILZ - LIEGIL