LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR PR77615946 - Left Final Drive

Sample No: LH0220502

Oil Type: CHEVRON MULTIGEAR EP5 80W90

5									
SAMPLEINFORMATION									
Sample Number		LH0220502	LH0220508						
Sample Date		14 Oct 2023	10 May 2023						
Machine Hours		8488	9275						
Oil Hours		0	0						
Oil Changed		Not Changd	Not Changd						
Sample Status		NORMAL	NORMAL						
OIL CONDITION									
Visc @ 40°C	cSt	232	231						
CONTAMINATION									
Silicon	ppm	4	O 2						
Sodium	ppm	0 <1	O <1						
Potassium	ppm	2	O <1						

WEAL				
WEAI	R METALS			
Iron	ppm	485	○ 324	
Copper	ppm	1	O <1	
Lead	ppm	0	O 0	
Tin	ppm	0	0	
Aluminum	ppm	○ <1	1	
Chromium	ppm	5	3	
Molybdenum	ppm	() <1	O <1	
Nickel	ppm	1	O <1	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	4	3	
Vanadium	ppm	0	0	

ADDITIVES									
Calcium	ppm	69	O 10						
Magnesium	ppm	0 1	O <1						
Zinc	ppm	35	4						
Phosphorus	ppm	401	410						
Barium	ppm	0	O 0						
Boron	ppm	53	49						





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

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot:LIEGILUnique No:10712612Signed:Sean FeltonReport Date:27 Oct 2023

Contact/Location: TED PILZ - LIEGIL

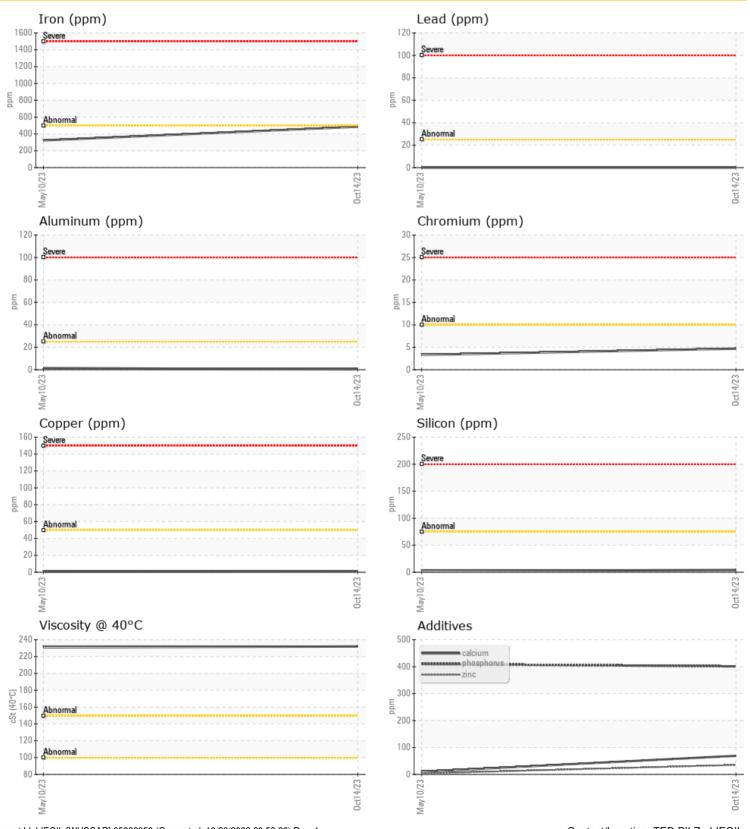
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GRAPHS



Report Id: LIEGIL [WUSCAR] 05989950 (Generated: 10/29/2023 20:53:28) Rev: 1

Contact/Location: TED PILZ - LIEGIL