



## LIEBHERR 24459 - Rear Right Final Drive

Sample No: LH0220496

Oil Type: LIEBHERR HYPOID 85W-140 EP

	APLE INFO							
Sample Number LH0220496		LH0220498	LH0220484					
Sample Date		19 Jun 2023	28 Apr 2023	23 Mar 2023		LIEBHERR MINING EQUIPMENT CC		
Machine Hours		1526	936	464		5800 S DOUGLAS HWY		
Oil Hours		1026	472	464		GILLETTE, WY		
Oil Changed		Not Changd	Not Changd	Changed		US 82718		
Sample Status		NORMAL	NORMAL	NORMAL		Contact: TED PILZ		
						ted.pilz@liebherr.com		
OIL OIL	CONDITIC	N				T: (775)388-0663		
Visc @ 40°C	cSt	362	0 363	332		F:		
						<b>_</b>		
CONTAMINATION						Diagnosis		
Silicon		0 11	0 12	02		Resample at the next service interval		
Sodium	ppm	0 11	0 12	02		to monitor.All component wear rates are normal. There is no indication of		
	ppm	02	02	-		any contamination in the oil. The		
Potassium	ppm	01	02	◯ <1		condition of the oil is acceptable for		
Ø WEA						the time in service.		
WE/	AR METAI	LS						
Iron	ppm	<b>81</b>	62	08 (				
Copper	ppm	<mark></mark> <1	0	01				
Lead	ppm	0	0	0				
Tin	ppm	0 🔘	0	0				
Aluminum	ppm	<b>○</b> <1	◯ <1	◯ <1				
Chromium	ppm	<mark></mark> <1	0	◯ <1				
Molybdenum	ppm	<mark></mark> <1	0	1				
Nickel	ppm	<mark></mark> <1	0	0				
Titanium	ppm	0	0	<1				
Silver	ppm	0	0	0				
Manganese	ppm	01	○ <1	2				
Vanadium	ppm	0	0	0				
<b>ADD</b>	ITIVES							
Calcium	ppm	0 13	08	26				
Magnesium	ppm	0 2	0 2	04				
Zinc	ppm	0 29	0 11	0 48				
Phosphorus	ppm	0 1368	0 1240	0 1029				
Barium	ppm	0	00	0				
Boron	ppm	0	0	0 2				

 Depot:
 LIEGIL

 Unique No:
 10559592

 Signed:
 Jonathan Hester

 Report Date:
 17 Jul 2023

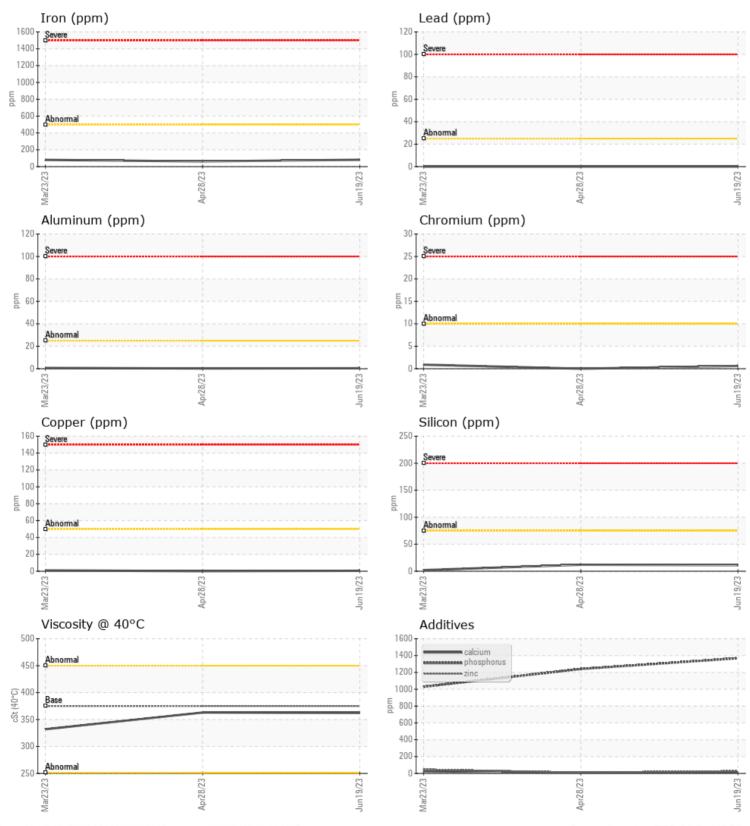
Contact/Location: TED PILZ - LIEGIL





GRAPHS

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Report Id: LIEGIL [WUSCAR] 05898236 (Generated: 07/17/2023 16:41:09) Rev: 1

Contact/Location: TED PILZ - LIEGIL