LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR PR77615946 - Splitter Box

Sample No: LH0220504

Oil Type: CHEVRON MULTIGEAR EP5 80W90

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U SAM	PLE INFO	DRMATION			
Sample Number		LH0220504	LH0220567	LHMC147119	
Sample Date		14 Oct 2023	10 May 2023	18 Jul 2019	
Machine Hours		8488	9275	73	
Oil Hours		0	0	73	
Oil Changed		N/A	Not Changd	Not Changd	
Sample Status		NORMAL	NORMAL	NORMAL	
)		HOTHINAL	1101 tivii tE	11011111111	
OII C	ONDITIO	SNI			
			000	0.005	
Visc @ 40°C	cSt	332	332	○ 365	
CON	TAMINA	TION			
Silicon	ppm	22	O 24	O 6	
Sodium	ppm	2	3	02	
Potassium	ppm	6	O 4	0 0	
◎ WEA	R META	16			
***	K ME I A				
lron	ppm	87	9 0	4	
Copper	ppm	8	O 7	O <1	
_ead	ppm	0	0	O 0	
Tin	ppm	0	0	0	
Aluminum	ppm	9	O 11	O <1	
Chromium	ppm	2	O 2	O <1	
Molybdenum	ppm	2	O 2	O <1	
Vickel	ppm	O <1	O <1	O 0	
Titanium	ppm	<1	<1	0	
Silver	ppm	0	0	0	
Manganese	ppm	1	O 1	<1 <1	
/anadium	ppm	0	0	0	
ADD	TIVES				
Calcium	ppm	O 171	O 181	6	
Magnesium	ppm	O 2	0 2	02	
Zinc	ppm	O 74	O 62	O 10	
Phosphorus	ppm	O 1153	0 1164	0 1033	
Barium	ppm	0 0	0 0	0 2	
-	ppiii	0		0 2	



LIEBHERR MINING EQUIPMENT CO

5800 S DOUGLAS HWY GILLETTE, WY US 82718

Contact: SCOTT BRADLEY scott.bradley@liebherr.com

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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: LIEGIL
Unique No: 10712615
Signed: Sean Felton
Report Date: 27 Oct 2023

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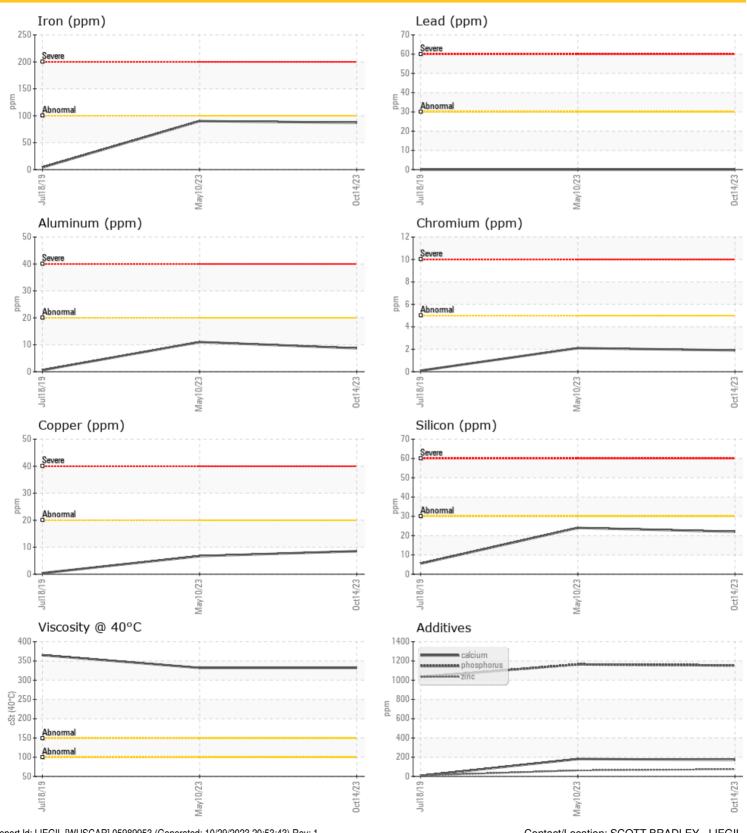
ppm

Boron





GRAPHS



Report Id: LIEGIL [WUSCAR] 05989953 (Generated: 10/29/2023 20:53:43) Rev: 1

Contact/Location: SCOTT BRADLEY - LIEGIL