LIEBHERR





[PRO CAISSONS [601832]] LIEBHERR LB35 115695 - Drilling Dr

Sample No: LH0286510

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90

5						
SAMI	PLE INFOR	MATION				
Sample Number		LH0286510	LH0222271	LH0224656		
Sample Date		06 Mar 2024	28 Sep 2022	08 Feb 2022		
Machine Hours		2047	1051	614		
Oil Hours		0	0	0		
Oil Changed		N/A	N/A	N/A		
Sample Status		NORMAL	NORMAL	NORMAL		
OIL CONDITION						
Visc @ 40°C	cSt	96.3	107	198		
**						

CONT	AMINATIO	N			
Water	%	NEG	NEG	NEG	
Silicon	ppm	1	O 2	O <1	
Sodium	ppm	0 <1	3	O 2	
Potassium	ppm	0 <1	0	 <1	

(O) WE					
₩ WEA	AR METAI	LS			
Iron	ppm	13	O 10	O 21	
Copper	ppm	○ <1	0	O <1	
Lead	ppm	0	O <1	O 0	
Tin	ppm	0	0	O 0	
Aluminum	ppm	 <1	0	O <1	
Chromium	ppm	0	0	O <1	
Molybdenum	ppm	0	<1	0	
Nickel	ppm	○ <1	O <1	O <1	
Titanium	ppm	0	0	0	
Silver	ppm	<1	0	0	
Manganese	ppm	0	0	<1	
Vanadium	ppm	0	0	0	

ADDITIVES							
Calcium	ppm	11	18	6			
Magnesium	ppm	2	2	<1			
Zinc	ppm	13	13	13			
Phosphorus	ppm	1283	1341	1174			
Barium	ppm	0	0	0			
Boron	ppm	315	286	1			



LIEBHERR CANADA LTD.

1015 SUTTON DRIVE
BURLINGTON, ON
CA L7L 5Z8
Contact: Steve Lehto
steve.lehto@liebherr.com

T: (905)319-9222 F: (905)319-6617

Diagnosis

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

Depot:LIEMISUnique No:5746052Signed:Wes DavisReport Date:08 Mar 2024

Contact/Location: Steve Lehto - LIEMIS

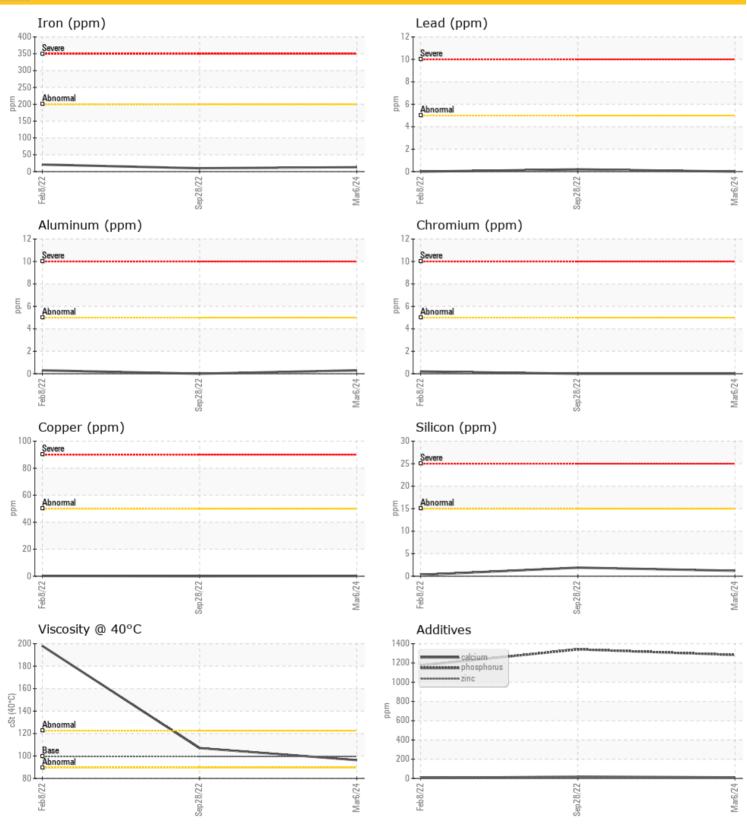
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CONSTRUCTION EQUIPMENT





GRAPHS



Report Id: LIEMIS [WCAMIS] 02620933 (Generated: 03/08/2024 15:30:29) Rev: 1

Contact/Location: Steve Lehto - LIEMIS