LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR HS8100.1186046 - Boom Winch

Sample No: LH0277550

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

SAMPLEIN	FORMATION		
Sample Number	LH0277550	LH0239498	
Sample Date	26 Jan 2024	05 Aug 2022	
Machine Hours	3909	530	
Oil Hours	0	0	
Oil Changed	Changed	Changed	
Sample Status	NORMAL	ABNORMAL	



CON	TAMIN	ATION			
Water	%	NEG	NEG	 	
Silicon	ppm	2	O <1	 	
Sodium	ppm	() <1	3	 	
Potassium	ppm	() <1	O <1	 	

Iron ppm ● 8 ○ 2 Copper ppm ○ <1 Lead ppm ○ 0 <1 Tin ppm ○ <1 ○ Aluminum ppm ○ <1 ○ Chromium ppm ○ <0 Molybdenum ppm ○ <0 Nickel ppm ○ <1 <1 Titanium ppm ○ 0 Silver ppm ○ 3	₩E/	AR METAI	LS		
Lead ppm ○ 0 ○ Tin ppm ○ 0 Aluminum ppm ○ 0 Chromium ppm ○ 0 0 Molybdenum ppm ○ 0 0 Nickel ppm ○ <1 <1 Titanium ppm 0 0 Silver ppm 0 3	Iron	ppm	8	2	
Tin ppm 0 0 Aluminum ppm ○ <1 ○ 0 Chromium ppm ○ 0 0 Molybdenum ppm ○ <0 Nickel ppm ○ <1 <1 Titanium ppm 0 0 Silver ppm 0 3	Copper	ppm	() <1	O <1	
Aluminum ppm Image: square squar	Lead	ppm	0	O <1	
Chromium ppm 0 0 Molybdenum ppm 0 0 Nickel ppm 0 < Titanium ppm 0 0 Silver ppm 0 3	Tin	ppm	0	0	
Molybdenum ppm ○ 0 Nickel ppm ○ <1 <1 Titanium ppm 0 0 Silver ppm 0 3	Aluminum	ppm	<1	O 0	
Nickel ppm Image: square of the content	Chromium	ppm	0	0	
Titanium ppm 0 0 Silver ppm 0 3	Molybdenum	ppm	0	0 0	
Silver ppm 0 3	Nickel	ppm	○ <1	<1	
Principal Control of the Control of	Titanium	ppm	0	0	
	Silver	ppm	0	3	
Manganese ppm 0 0 <1	Manganese	ppm	0	O <1	
Vanadium ppm 0	Vanadium	ppm	0	0	

vanadium	ppm	U	0			
ADDI						
ADDITIVES						
Calcium	ppm	8	10			
Magnesium	ppm	1	O <1			
Zinc	ppm	20	172			
Phosphorus	ppm	1225	821			
Barium	ppm	0	O <1			
Boron	ppm	286	O <1			



HIGGS & HIGGS RR # 4 ST THOMAS, ON CA N5P 3S8 Contact: Bernie Higgs

T: (519)631-4095 F: (519)631-2745

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: HIGSTT
Unique No: 5720981
Signed: Wes Davis
Report Date: 30 Jan 2024

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GRAPHS

