CONSTRUCTION EQUIPMENT

LIEBHERR HS8100 184976 - 2 Winch

Sample No: LH0277515 Oil Type: {unknown}





Tillsonburg Ready-Mix Inc.

10 Elm Street Tillsonburg, ON **CA N4G 0A7**

Contact: Service Manager

T: F:

Visc @ 40°C	cSt	102
- 1 min		

CONTAMINATION						
Water	%	NEG				
Silicon	ppm	9				
Sodium	ppm	2				
Potassium	mag	O <1				

(O) WEA				
WEA	R META	LS		
PQ		9 6	 	
Iron	ppm	818	 	
Copper	ppm	18	 	
Lead	ppm	2	 	
Tin	ppm	0	 	
Aluminum	ppm	○ <1	 	
Chromium	ppm	8	 	
Molybdenum	ppm	<1	 	
Nickel	ppm	3	 	
Titanium	ppm	0	 	
Silver	ppm	<1	 	
Manganese	ppm	5	 	
Vanadium	ppm	0	 	
1000				

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 40 Gear Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.Iron ppm levels are severe. PQ levels are abnormal. The high ferrous density (PQ) index indicates that abnormal wear is occurring. There is a moderate concentration of water present in the oil. Free water present. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

0	ADDIT	IVES
Calaium		10 10 100

- Applitus					
Calcium	ppm	16			
Magnesium	ppm	4			
Zinc	ppm	42			
Phosphorus	ppm	1336			
Barium	ppm	<1			
Boron	ppm	232			

Depot: TIL10TIL Unique No: 5682260 Signed: Kevin Marson **Report Date:** 20 Nov 2023

LIEBHERR

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GRAPHS

