

LIEBHERR HS895 612827 - Diesel Engine

0 14.4

70

Sample No: LH0296511 {unknown}

Oil Type:

Sample Information

Sample Number	LH0296511	 	
Sample Date	10 Jul 2024	 	
Machine Hours	21679	 	
Oil Hours	0	 	
Oil Changed	Changed	 	
Sample Status	NORMAL	 	

Visc @ 100°C

Oil Condition cSt %

Oxidation (PA) **a**4.

Contamination					
Water	%	NEG			
Soot %	%	0.4			
Nitration (PA)	%	73			
Sulfation (PA)	%	59			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	3			
Sodium	ppm	02			
Potassium	ppm	0			

Wear Metals

Iron	ppm	1 8			
Copper	ppm	3			
Lead	ppm	0 4			
Tin	ppm	○ <1			
Aluminum	ppm	3			
Chromium	ppm	01			
Molybdenum	ppm	6 9			
Nickel	ppm	○ <1			
Titanium	ppm	0			
Silver	ppm	0 ()			
Manganese	ppm	<1			
Vanadium	ppm	0			

Add	Additives						
Calcium	ppm	0 1191					
Magnesium	ppm	0 1125					
Zinc	ppm	0 1381					
Phosphorus	ppm	0 1135					
Barium	ppm	◯ <1					
Boron	ppm	0 2					



Depot: HIGSTT Unique No: 5812862 Signed: Wes Davis Report Date: 11 Jul 2024



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

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

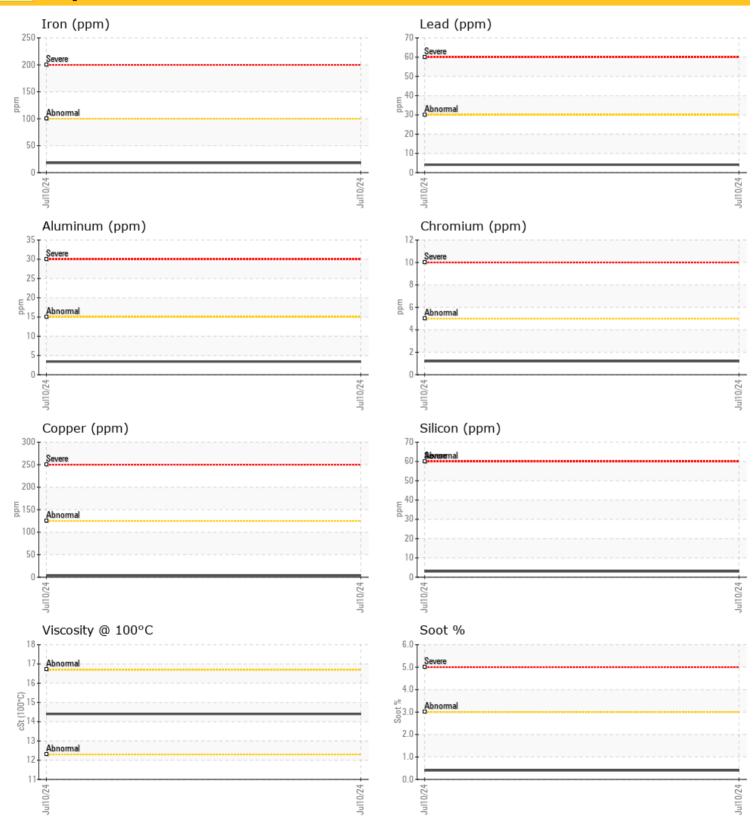
Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.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.

CONSTRUCTION EQUIPMENT



Graphs



Report Id: HIGSTT [WCAMIS] 02647310 (Generated: 07/11/2024 13:38:16) Rev: 1

Contact/Location: Bernie Higgs - HIGSTT Page 2 of 2