



U22.03.90018 - Diesel Engine

Sample No: LH0242558

Oil Type: LIEBHERR MOTOROIL 5W30

0 12.2

39

SAMPLE INFORMATION						
Sample Number	LH0242558					
Sample Date	10 Oct 2023					
Machine Hours	46					
Oil Hours	0					
Oil Changed	Not Changd					
Sample Status	NORMAL					

0	OIL CONDITION			
Visc @	100°C	cSt		

St Oxidation (PA) %

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Soot %	%	0				
Nitration (PA)	%	83				
Sulfation (PA)	%	40				
Glycol	%	NEG				
Fuel	%	<1.0				
Silicon	ppm	0 12				
Sodium	ppm	0 15				
Potassium	ppm	01				

WEAR METALS

Iron	ppm	08	 	
Copper	ppm	5	 	
Lead	ppm	0 2	 	
Tin	ppm	○ <1	 	
Aluminum	ppm	3	 	
Chromium	ppm	0 0	 	
Molybdenum	ppm	02	 	
Nickel	ppm	○ <1	 	
Titanium	ppm	0	 	
Silver	ppm	○ <1	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	0 5009	 	
Magnesium	ppm	0 49	 	
Zinc	ppm	0 1337	 	
Phosphorus	ppm	0 1190	 	
Barium	ppm	48	 	
Boron	ppm	0 274	 	

LIEBHERR CANADA LTD. - REMAN 1015 SUTTON DRIVE

BURLINGTON, ON CA L7L 5Z8 Contact: Jeff Carter jeff.carter@liebherr.com T: (905)319-9222 F: (905)319-6622

Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: REMAN Unique No: 5669978 Signed: Wes Davis Report Date: 31 Oct 2023

Report Id: REMAN [WCAMIS] 02592899 (Generated: 10/31/2023 14:22:22) Rev: 1

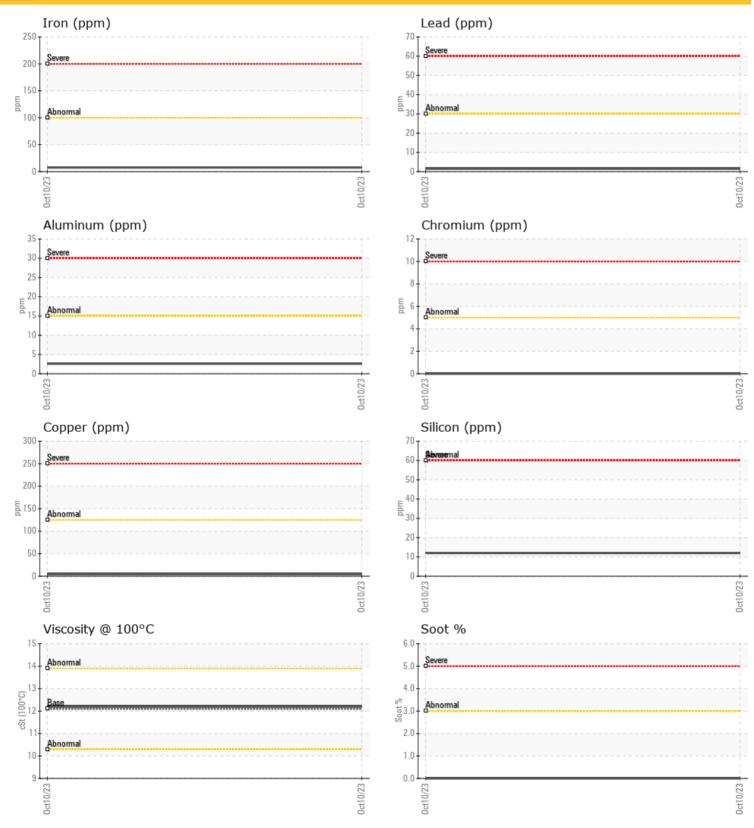
Contact/Location: Jeff Carter - REMAN





GRAPHS

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Report Id: REMAN [WCAMIS] 02592899 (Generated: 10/31/2023 14:22:25) Rev: 1

Contact/Location: Jeff Carter - REMAN