



2007048544 - Diesel Engine

Sample No: LH0270312

Oil Type: NOT GIVEN

SAMPLE INFORMATION

0 13.0

49

Sample Number	LH0270312	 	
Sample Date	30 Oct 2023	 	
Machine Hours	0	 	
Oil Hours	0	 	
Oil Changed	N/A	 	
Sample Status	NORMAL	 	

Visc @ 100°C cSt

Oxidation (PA)

Soot %	%	0 ()				
Nitration (PA)	%	53				
Sulfation (PA)	%	48				
Glycol	%	NEG				
Fuel	%	<1.0				
Silicon	ppm	0 9				
Sodium	ppm	20				
Potassium	ppm	01				

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WEAR METALS

%

Iron	ppm	0 9	 	
Copper	ppm	07	 	
Lead	ppm	01	 	
Tin	ppm	○ <1	 	
Aluminum	ppm	02	 	
Chromium	ppm	0	 	
Molybdenum	ppm	0 60	 	
Nickel	ppm	○ <1	 	
Titanium	ppm	0	 	
Silver	ppm	<mark></mark> <1	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	

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ADDITIVES

Calcium	ppm	0 2117	 	
Magnesium	ppm	0 807	 	
Zinc	ppm	0 1337	 	
Phosphorus	ppm	O 1148	 	
Barium	ppm	3 9	 	
Boron	ppm	66	 	

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. 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.

Depot:REMANUnique No:5669957Signed:Wes DavisReport Date:31 Oct 2023

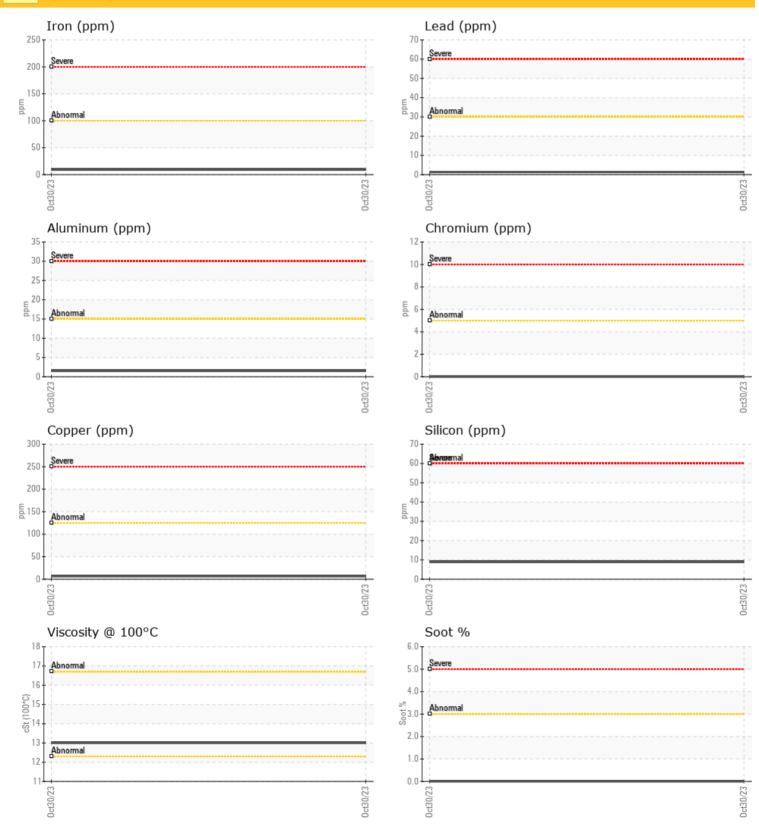
Contact/Location: Jeff Carter - REMAN





GRAPHS

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Contact/Location: Jeff Carter - REMAN