



2015.04.0211 - Diesel Engine

Sample No: LH0278807

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	LH0278807	 	
Sample Date	02 Nov 2023	 	
Machine Hours	0	 	
Oil Hours	0	 	
Oil Changed	N/A	 	
Sample Status	NORMAL	 	

10.3

29

OIL C	ONDITION
Visc @ 100°C	cSt

Oxidation (PA)

CONTAMINATION

cSt

%

%	0			
%	32			
%	40			
%	NEG			
%	0 1.1			
ppm	02			
ppm	5			
ppm	0 0			
	% % % ppm ppm	% 32 % 40 % NEG % 1.1 ppm 2 ppm 5	% 32 % 40 % NEG % 1.1 ppm 2 ppm 5	% 32 % 40 % 40 % NEG % 1.1 ppm 2 0 5

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Iron ppm **3** Copper 02 ppm Lead ppm ○ <1 Tin 0 ppm Aluminum ◯ <1 ppm Chromium ppm 0 Molybdenum 28 ppm Nickel ○ <1 ppm Titanium ppm 0 Silver ○ <1 ppm Manganese 0 ppm Vanadium 0 ppm

ADDITIVES

Calcium	ppm	483	 	
Magnesium	ppm	0 395	 	
Zinc	ppm	727	 	
Phosphorus	ppm	596	 	
Barium	ppm	○ <1	 	
Boron	ppm	03	 	

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

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot:	REMAN
Unique No:	5671181
Signed:	Kevin Marsor
Report Date:	07 Nov 2023

Report Id: REMAN [WCAMIS] 02594102 (Generated: 11/07/2023 14:07:20) Rev: 1

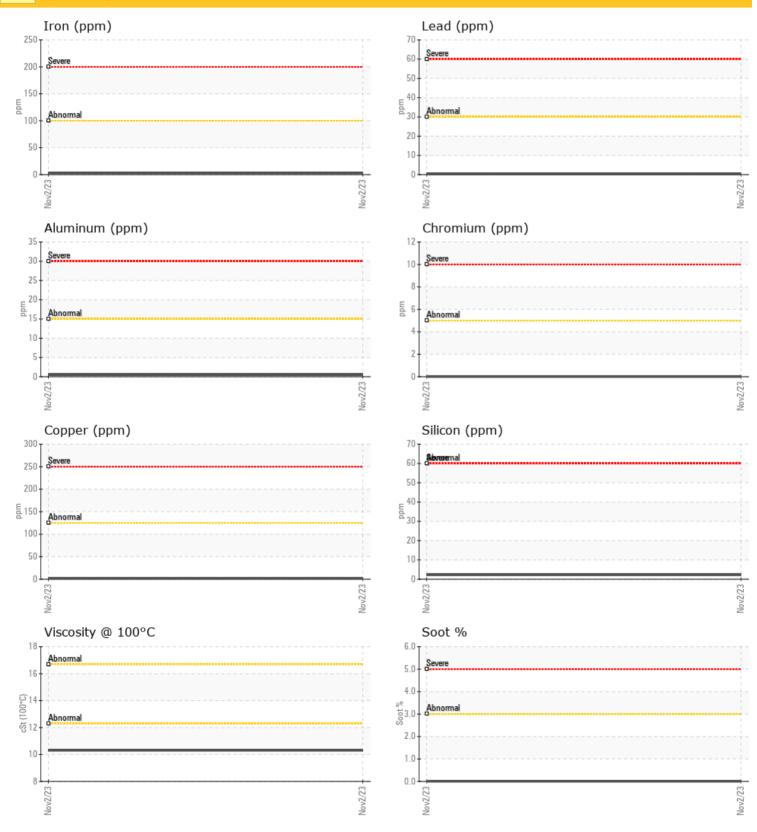
Contact/Location: Jeff Carter - REMAN





GRAPHS

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Contact/Location: Jeff Carter - REMAN