CONSTRUCTION EQUIPMENT

23422 - Diesel Engine



SAMPLEIN	IFORMATION		
Sample Number	LH0286664	 	
Sample Date	18 Mar 2024	 	
Machine Hours	993	 	
Oil Hours	0	 	
Oil Changed	Changed	 	
Sample Status	NORMAL	 	
A			

OILC	ONDITIO	N		
Visc @ 100°C	cSt	13.2	 	
Oxidation (PA)	%	64	 	

CONTAMINATION							
Water	%	NEG					
Soot %	%	0					
Nitration (PA)	%	64					
Sulfation (PA)	%	53					
Glycol	%	NEG					
Fuel	%	<1.0					
Silicon	ppm	6					
Sodium	ppm	1					
Potassium	ppm	() <1					

WEA	R META	LS		
Iron	ppm	6	 	
Copper	ppm	15	 	
Lead	ppm	() <1	 	
Tin	ppm	() <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	() <1	 	
Molybdenum	ppm	58	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

ADI	DITIVES			
Calcium	ppm	1171	 	
Magnesium	ppm	934	 	
Zinc	ppm	1164	 	
Phosphorus	ppm	1006	 	
Barium	ppm	○ <1	 	
Boron	ppm	7	 	
Boron	ppm	7	 	



LIEBHERR CANADA LTD. 1015 SUTTON DRIVE

BURLINGTON, ON CA L7L 5Z8

Contact: Steve Lehto steve.lehto@liebherr.com

T: (905)319-9222 F: (905)319-6617

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

Please specify the component make and model with your next sample.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: LIEMIS **Unique No:** 5748131 Signed: Wes Davis Report Date: 19 Mar 2024

Contact/Location: Steve Lehto - LIEMIS

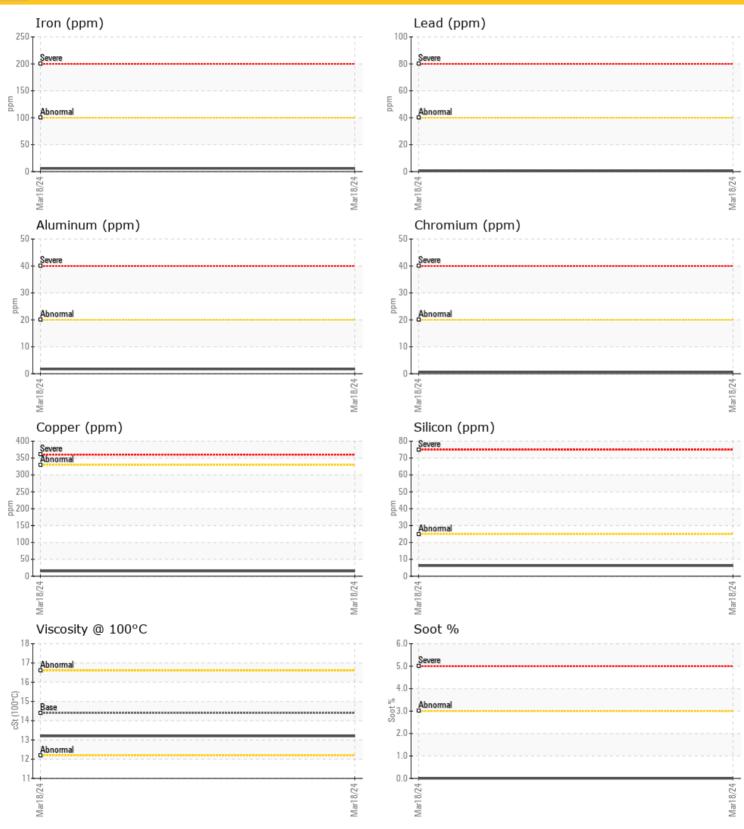
LIEBHERR







GRAPHS



Report Id: LIEMIS [WCAMIS] 02623012 (Generated: 03/19/2024 13:31:10) Rev: 1

Contact/Location: Steve Lehto - LIEMIS