CONSTRUCTION EQUIPMENT



LIEBHERR MOTOROIL 5W-30 LOW ASH

Sample No: LHMC133199

Oil Type:

- 1

adda.

SAMPLE INFORMATION

Sample Number	LHMC133199	 	
Sample Date	08 Mar 2024	 	
Machine Hours	546	 	
Oil Hours	546	 	
Oil Changed	Changed	 	
Sample Status	NORMAL	 	

OIL CO	NDITION		
Visc @ 100°C	cSt	0 11.5	
Base Number (BN)	mg KOH/g	0 4.6	
Oxidation (PA)	%	218	

%	NEG				
%	0.1				
%	104				
%	112				
%	NEG				
%	<1.0				
ppm	8				
ppm	3				
ppm	02				
	% % % % % opm opm	NEG % 0.1 % 104 % 112 % NEG % <1.0	NEG % 0.1 % 104 % 112 % NEG % % % % % % 8 % 3	NEG % 0.1 % 104 % 104 % 112 % NEG % % % % % % % % % % % % %	

WEA	AR META	LS		
Iron	ppm	0 10	 	
Copper	ppm	0 126	 	
Lead	ppm	07	 	
Tin	ppm	0	 	
Aluminum	ppm	03	 	
Chromium	ppm	○ <1	 	
Molybdenum	ppm	0 44	 	
Nickel	ppm	0 ()	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	01	 	
Vanadium	maa	<1	 	

ADDITIVES					
Calcium		▲ 1220			
	ppm	0 1332			
Magnesium	ppm	904			
Zinc	ppm	0 854			
Phosphorus	ppm	0 703			
Barium	ppm	0 31			
Boron	ppm	0 99			
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Contact/Location: Service Manager - ALTPEO





ALTER TRADING 2424 CLARKE STREET PEORIA, IL US 61602 Contact: Service Manager

T: F:

Diagnosis

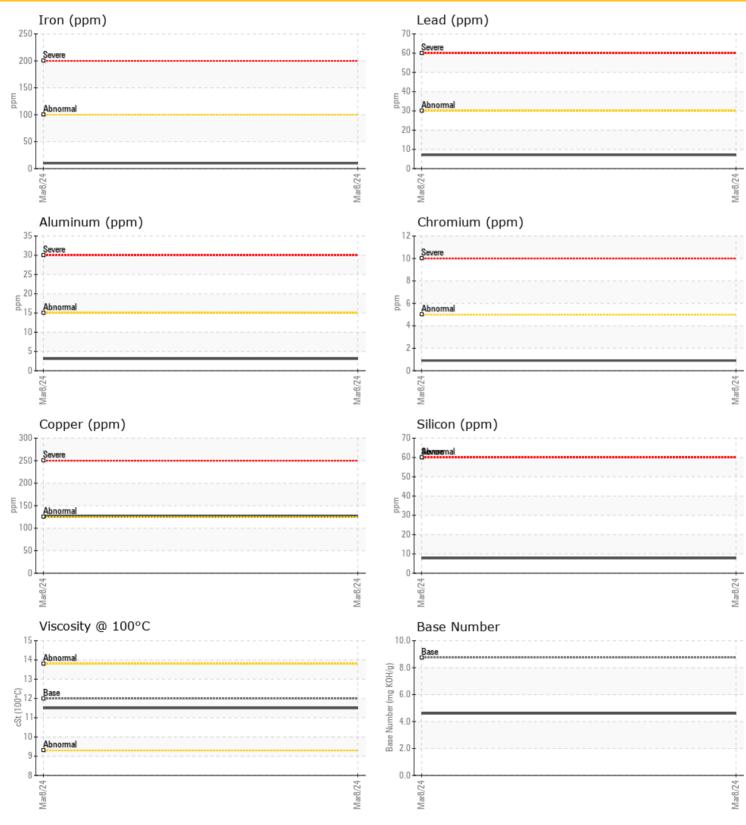
Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CONSTRUCTION EQUIPMENT



GRAPHS

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Report Id: ALTPEO [WUSCAR] 06122895 (Generated: 03/22/2024 10:01:07) Rev: 1

Contact/Location: Service Manager - ALTPEO