CONSTRUCTION EQUIPMENT

[[TRI-CON]] LIEBHERR L586 050235-1334 - Diesel Engine

LIEBHERR MOTOROIL 5W-30 LOW ASH

Sample No: LHMC133812

Oil Type:

-

SAMPLE INFORMATION

Sample Number		LHMC133812	LHMC105565	
Sample Date		27 Feb 2024	06 Jan 2023	
Machine Hours		7469	5530	
Oil Hours		500	522	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
Visc @ 100°C	NDITION	0 11.2	◯ 11.6	
Base Number (BN)	mg KOH/g	9.7	0 10.8	
Oxidation (PA)	%	78	73	
CONT	AMINATIO	ON		
Water	%	NEG	NEG	

Water	%	NEG	NEG	
Soot %	%	0.1	0.1	
Nitration (PA)	%	53	68	
Sulfation (PA)	%	58	55	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	07	07	
Sodium	ppm	3	0	
Potassium	ppm	01	2	

\bigcirc WEAR METALS Iron ppm 3 $\bigcirc 5$ Copper ○ <1 ppm Lead 0 ppm 0 Tin 0 ppm < Aluminum 2 ppm ○ <1 Chromium 0 <1 ○ <1 ppm Molybdenum 39 0 31 ppm Nickel 0 $\bigcirc 0$ ppm Titanium 0 0 ppm Silver 0 $\bigcirc 0$ ppm Manganese ppm 0 ○ <1 Vanadium ppm 0 0

ADDITIVES							
Calcium	ppm	1530	2235				
Magnesium	ppm	501	◯ 346				
Zinc	ppm	0 876	921				
Phosphorus	ppm	699	○ 770				
Barium	ppm	0	0				
Boron	ppm	56	0 104				





FINKBINER EQUIPMENT

3501 N. MAIN ST EAST PEORIA, IL US 61611 Contact: Mike Plummer mplummer@finkbiner.com T: F:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. 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.

Depot:FINEASILUnique No:10916851Signed:Wes DavisReport Date:11 Mar 2024

Report Id: FINEASIL [WUSCAR] 06113354 (Generated: 03/11/2024 14:32:09) Rev: 1

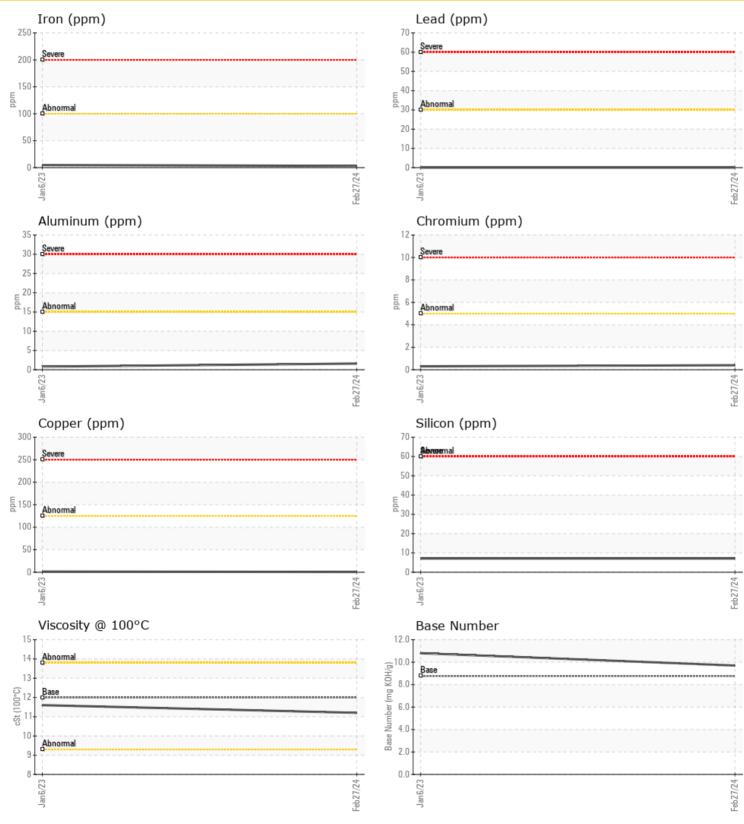
Contact/Location: Mike Plummer - FINEASIL

CONSTRUCTION EQUIPMENT



GRAPHS

 $\overline{\mathbf{O}}$



Report Id: FINEASIL [WUSCAR] 06113354 (Generated: 03/11/2024 14:32:11) Rev: 1

Contact/Location: Mike Plummer - FINEASIL