

LIEBHERR A934 036883-1007 - Diesel Engine

Sample No: LH06117612

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Oil Type: DIESEL ENGINE OIL SAE 5W40

SAMPLE INFORMATION

Sample Number		LH06117612	LH0244371	LHMC114439	
Sample Date		22 Feb 2024	20 Dec 2022	19 Mar 2018	
Machine Hours		6031	5877	4895	
Oil Hours		250	317	0	
Oil Changed		Changed	Changed	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	
	Normal Normal Normal OIL CONDITION				
Visc @ 100°C	cSt	14.3	13.8	0 14.86	
Base Number (BN)	mg KOH/g	0 7.0	0 7.7		
Oxidation (PA)	%	45	49	52	

Water	%	NEG	NEG	NEG	
Soot %	%	0 1.1	0.6	2.4	
Nitration (PA)	%	64	55	58	
Sulfation (PA)	%	50	50	64	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	<1.0	<1.0	
Silicon	ppm	0 9	8	8	
Sodium	ppm	01	○ <1	2	
Potassium	ppm	01	2	2	

WEA	R META	LS			
Iron	ppm	5	0 4	29	
Copper	ppm	○ <1	○ <1	3	
Lead	ppm	○ <1	0	◯ <1	
Tin	ppm	0 🔘	0	○ <1	
Aluminum	ppm	01	◯ <1	01	
Chromium	ppm	0 🔘	0	◯ <1	
Molybdenum	ppm	0 14	69	08 (
Nickel	ppm	0 (0	○ <1	
Titanium	ppm	○ <1	0	0	
Silver	ppm	0 🔘	0	0	
Manganese	ppm	◯ <1	0	<1	
Vanadium	ppm	0	0	0	

Calcium	ppm	0 1238	2024	0 1441		
Magnesium	ppm	631	0 190	0 468		
Zinc	ppm	0 799	0 1116	0 1073		
Phosphorus	ppm	695	962	990		
Barium	ppm	0	0	◯ <1		
Boron	ppm	0 82	0 111	233		







FINKBINER EQUIPMENT CO.

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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.

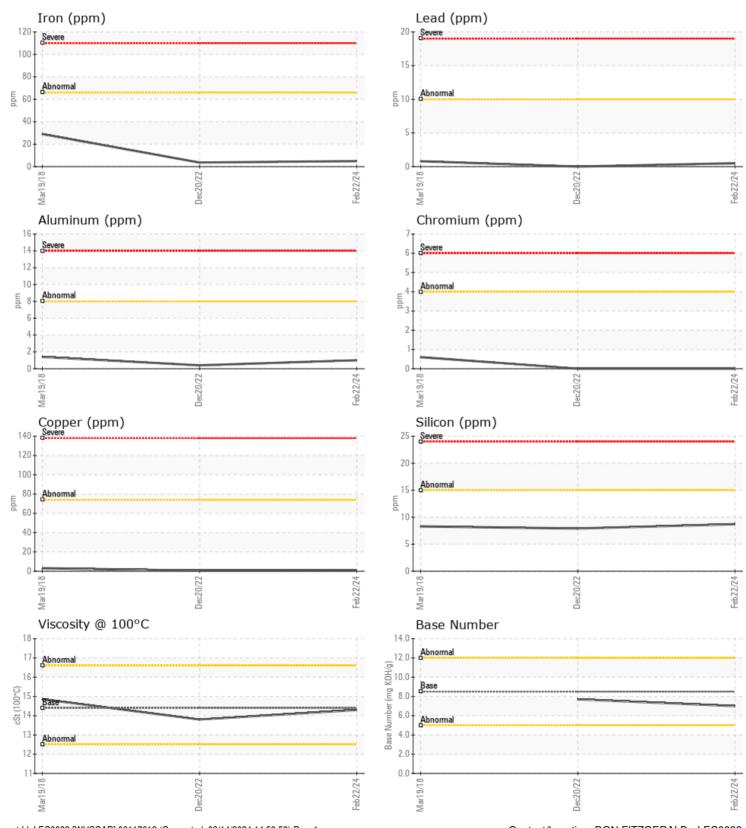
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