LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50 137429 - Splitter Box

Sample No: LH0284883

Oil Type: GEAR OIL SAE 75W90



CONTAMINATION									
Water	%	NEG	NEG	NEG	NEG				
Silicon	ppm	1	O 2	O 2	O 1				
Sodium	ppm	<1	O <1	<1	O <1				
Potassium	ppm	O <1	O 0	O <1	O <1				

WEAR METALS							
Iron	ppm	9	8	O 14	9		
Copper	ppm	O <1	O <1	O <1	O <1		
Lead	ppm	0	O 0	O 2	O <1		
Tin	ppm	0	0	0	O 0		
Aluminum	ppm	0 <1	O <1	O <1	O 0		
Chromium	ppm	0	0	O <1	O 0		
Molybdenum	ppm	0	O 0	O 0	O 0		
Nickel	ppm	0	O <1	O <1	O 0		
Titanium	ppm	0	0	0	0		
Silver	ppm	0	<1	<1	6		
Manganese	ppm	0 0	O 0	O 0	O 0		
Vanadium	ppm	0	0	0	0		

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ADDITIVES							
Calcium	ppm	31	31	30	18		
Magnesium	ppm	2	O 1	O 2	O 1		
Zinc	ppm	103	93	48	27		
Phosphorus	ppm	1195	1136	1350	1388		
Barium	ppm	0	O <1	O 0	0		
Boron	ppm	277	284	308	289		





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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 condition of the oil is acceptable for the time in service.

Depot:COMWESUnique No:5733513Signed:Wes DavisReport Date:16 Feb 2024

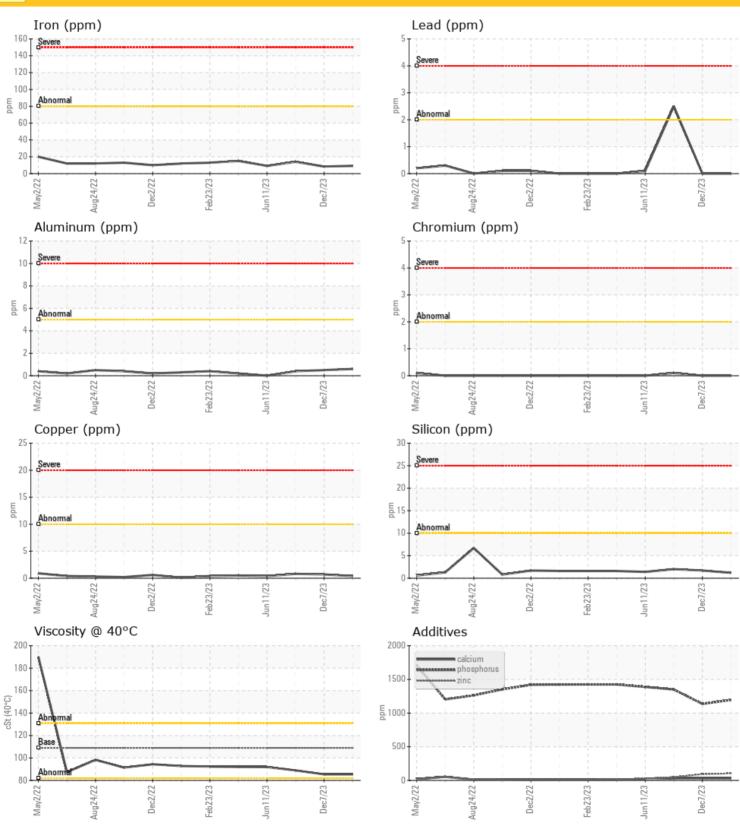
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GRAPHS



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Submitted By: Rick Cule