LIEBHERR

CONSTRUCTION EQUIPMENT

MS18 - Front Right Wheel Hub

Sample No: LHMC100133

Oil Type: GEAR OIL SAE 80W90



MINATIO	N			
6	NEG	NEG	NEG	
pm	3	O 2	4	
pm	5	6	4	
pm	○ <1	O 2	O <1	
METALS				
1	om om om	om	NEG NEG NEG Om	NEG NEG NEG Om

WEAF	RMETALS				
Iron	ppm	74	O 42	O 112	
Copper	ppm	7	6	0 8	
Lead	ppm	() <1	O 0	0	
Tin	ppm	<1	<1	0	
Aluminum	ppm	() <1	O 1	0	
Chromium	ppm	0	O <1	O <1	
Molybdenum	ppm	0	O 0	O <1	
Nickel	ppm	0 <1	O <1	O 0	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	0	
Manganese	ppm	1	1	O 1	
Vanadium	ppm	0	0	0	

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Vanadium	ppm	0	0	0			
ADDITIVES							
Calcium	ppm	152	O 127	O 118			
Magnesium	ppm	13	4	O 1			
Zinc	ppm	57	5 3	6 9			
Phosphorus	ppm	836	○ 807	987			
Barium	ppm	0	O 0	0			
Boron	ppm	152	O 166	O 251			





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Diagnosis

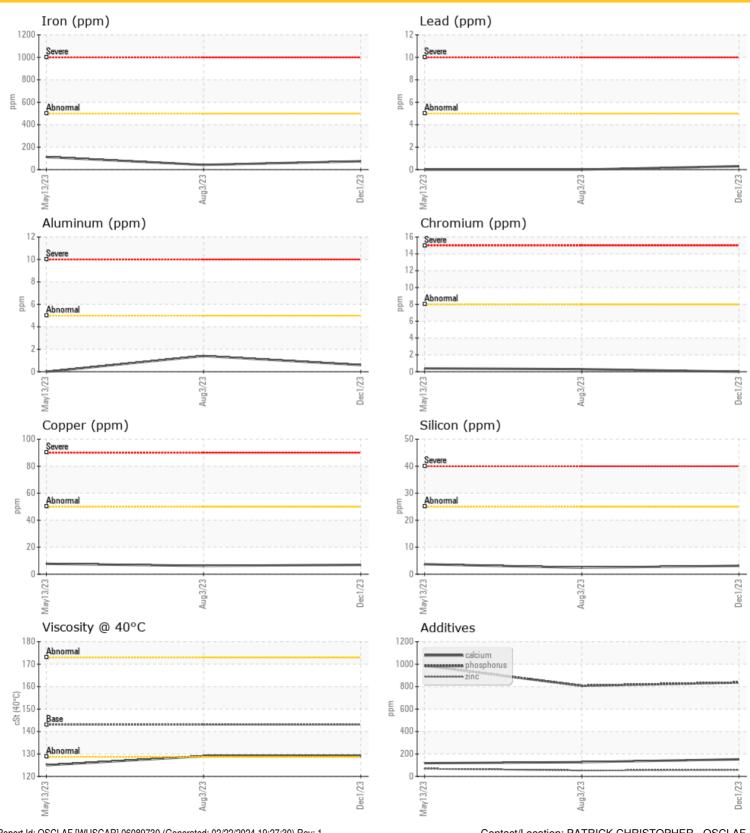
Resample at the next service interval to monitor. Please specify the component make and model with your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: OSCLAF
Unique No: 10877175
Signed: Wes Davis
Report Date: 16 Feb 2024





GRAPHS



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Contact/Location: PATRICK CHRISTOPHER - OSCLAF