## **CONSTRUCTION EQUIPMENT**

# **MS19 - Front Differential**

Sample No: LH0244643

**Oil Type:** GEAR OIL SAE 80W90

# **SAMPLE INFORMATION**

Sample Number	LH0244643	LHMC131483	 
Sample Date	08 Dec 2023	03 Aug 2023	 
Machine Hours	3512	2706	 
Oil Hours	0	0	 
Oil Changed	Not Changd	N/A	 
Sample Status	NORMAL	NORMAL	 

Visc @ 40°C - 1

#### cSt 0 130

Water	%	NEG	NEG			
Silicon	ppm	0 <1	○ <1			
Sodium	ppm	0	○ <1			
Potassium	ppm	0	0			

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WEA WEA	<b>R</b> METAL	.S		
Iron	ppm	0 5	04	 
Copper	ppm	0	00	 
Lead	ppm	0	00	 
Tin	ppm	0	00	 
Aluminum	ppm	0	00	 
Chromium	ppm	0	0	 
Molybdenum	ppm	0	0	 
Nickel	ppm	0	0	 
Titanium	ppm	0	0	 
Silver	ppm	0	0	 
Manganese	ppm	<b>○</b> <1	<1	 
Vanadium	ppm	0	0	 

ADDITIVES					
Calcium	ppm	<b>3</b> 5	24		
Magnesium	ppm	0 🔘	1		
Zinc	ppm	08	5		
Phosphorus	ppm	947	949		
Barium	ppm	0 🔘	0		
Boron	ppm	258	301		





#### **OSCAR WINSKI CO. INC**

2407 N. 9TH STREET LAFAYETTE, IN US 47904 Contact: JAYSON FRAZIER frazierj@oscarwinski.com T: (765)376-1230 F: x:

## 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: OSCLAF Unique No: 10807059 Jonathan Hester Signed: Report Date: 29 Dec 2023

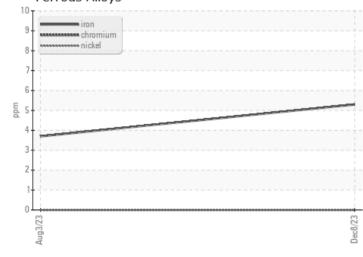




#### Ferrous Alloys

GRAPHS

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### Non-ferrous Metals

