## CONSTRUCTION EQUIPMENT

### MS19 - Hydraulic System

Sample No: LH0244649

Oil Type: NOT GIVEN

#### SAMPLE INFORMATION

Sample Number	LH0244649	LHMC122792				
Sample Date	08 Dec 2023	03 Aug 2023				
Machine Hours	3512	2706				
Oil Hours	0	0				
Oil Changed	Not Changd	Not Changd				
Sample Status	NORMAL	ABNORMAL				

Visc @ 40°C cSt <b>34.9</b>	OIL CONDITION							
	Visc @ 40°C	cSt	<b>34.5</b>	34.9				
Acid Number (AN) mg KOH/g 0.83 0.92	Acid Number (AN)	mg KOH/g	0.83	0.92				

Water	%	NEG	0.113		
Particles >4µm		0 555	0 1514		
Particles >6µm		<b>104</b>	0 177		
Particles >14µm		<b>0</b> 24	07		
ISO 4406:1999 (c)		16/14/12	18/15/10		
Silicon	ppm	02	01		
Sodium	ppm	<b>5</b>	04		
Potassium	ppm	0	0		

#### WEAR METALS

Iron	ppm	07	07	 
Copper	ppm	07	○ 5	 
Lead	ppm	<b>○</b> <1	○ <1	 
Tin	ppm	0 (	0	 
Aluminum	ppm	0 🔘	0	 
Chromium	ppm	01	○ <1	 
Molybdenum	ppm	0	0	 
Nickel	ppm	0 🔘	0	 
Titanium	ppm	0	0	 
Silver	ppm	0	<1	 
Manganese	ppm	<1	<1	 
Vanadium	ppm	0	0	 

0

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ADDITIVES							
Calcium	ppm	1151	1134				
Magnesium	ppm	5	8				
Zinc	ppm	628	640				
Phosphorus	ppm	528	460				
Barium	ppm	<1	0				
Boron	ppm	0	0				





#### **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 amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 OSCLAF

 Unique No:
 10806709

 Signed:
 Jonathan Hester

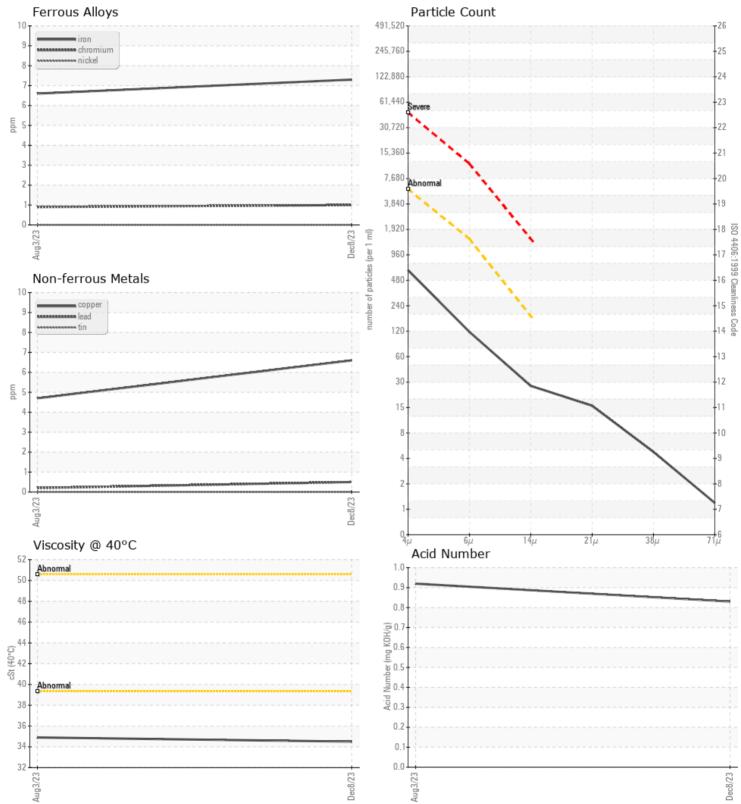
 Report Date:
 02 Jan 2024

# CONSTRUCTION EQUIPMENT



GRAPHS

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Contact/Location: JAYSON FRAZIER - OSCLAF