CONSTRUCTION EQUIPMENT

MS19 - Hydraulic System

Sample No: LH0244790

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	LH0244790	LH0244649	LHMC122792			
Sample Date	08 Feb 2024	08 Dec 2023	03 Aug 2023			
Machine Hours	3903	3512	2706			
Oil Hours	2000	0	0			
Oil Changed	Not Changd	Not Changd	Not Changd			
Sample Status	ABNORMAL	NORMAL	ABNORMAL			

OILCONDITION						
Visc @ 40°C	cSt	35.1	34.5	34.9		
Acid Number (AN)	mg KOH/g	0.92	0.83	0.92		
-						

Water	%	0.148	NEG	0.113	
Particles >4µm		<u> </u>	O 555	0 1514	
Particles >6µm		<u> </u>	0 104	0 177	
Particles >14µm		87	24	07	
ISO 4406:1999 (c)		22/19/14	16/14/12	18/15/10	
Silicon	ppm	01	2	01	
Sodium	ppm	07	5	04	
Potassium	ppm	02	0	0	

WEAR METALS

Iron	ppm	8 🔘	07	07	
Copper	ppm	06	07	○ 5	
Lead	ppm	0 2	○ <1	◯ <1	
Tin	ppm	<mark></mark> <1	0	0	
Aluminum	ppm	○ <1	0	0	
Chromium	ppm	01	01	◯ <1	
Molybdenum	ppm	0	0	0	
Nickel	ppm	○ <1	0	0	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	<1	
Manganese	ppm	0	<1	<1	
Vanadium	ppm	<1	0	0	

Calcium	ppm	965	1151	1134	
Magnesium	ppm	3	5	8	
Zinc	ppm	557	628	640	
Phosphorus	ppm	496	528	460	
Barium	ppm	0	<1	0	
Boron	ppm	0	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

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

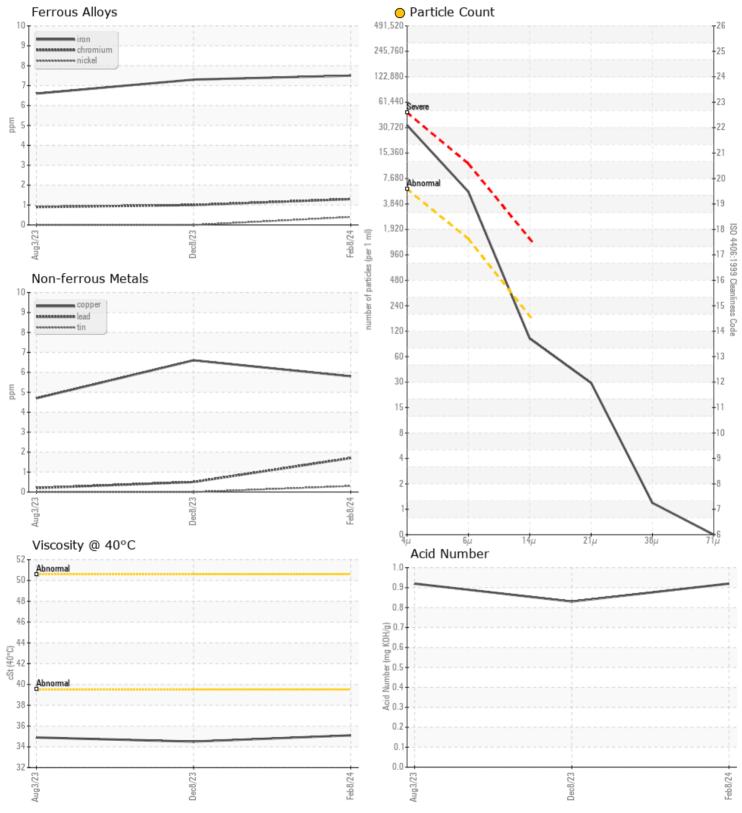
Depot:OSCLAFUnique No:10911601Signed:Doug BogartReport Date:06 Mar 2024





GRAPHS

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