## 31 E R R **CONSTRUCTION EQUIPMENT**

## LIEBHERR A944 054454-194 - Hydraulic System

Sample No: LH0264434

Vanadium

ppm

Oil Type: LIEBHERR HYDRAULIC HVI

## **Sample Information**

Sample Number	e Number LH0264434		LHMC96953	LHMC72745
Sample Date	29 Mar 2024	09 Jan 2020	26 Apr 2018	08 Feb 2017
Machine Hours	7425	3409	2587	1682
Oil Hours	0	3409	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

Oil Co	ndition				
Visc @ 40°C	cSt	<b>43.6</b>	38.6	36.39	36.73
Acid Number (AN)	mg KOH/g	0.22	0 1.139	0 1.146	0 1.93
<b>111</b>					

Contamination					
Water	%	NEG	NEG	NEG	NEG
Particles 5-15µm	count				36225
Particles 15-25µm	count				3007
Particles 25-50µm	count				1298
Particles 50-100µm	count				33
Particles >100µm	count				0
NAS Code					8
Particles >4µm		<b>O</b> 34064	0 11036	8347	3622
Particles >6µm		334	0 1976	0 1031	420
Particles >14µm		0 12	080	55	0 44
ISO 4406:1999 (c)		22/16/11	21/18/13	20/17/13	19/16/13
Silicon	ppm	02	3	3	04
Sodium	ppm	01	04	04	04
Potassium	ppm	01	◯ <1	01	2

0 **Wear Metals** Iron ppm 011 6  $\bigcirc 5$ 09 Copper ppm 08 0 16 0 15  $\bigcirc 7$ Lead ○ <1 02 02 ○ <1 ppm Tin ppm 0 0 <1 0  $\bigcirc 0$ Aluminum 02 ○ <1 ○ <1 ppm ○ <1 Chromium 0 <1 ppm ○ <1  $\bigcirc$  <1  $\bigcirc <1$ Molybdenum ppm 0 🔘 ○ <1 <1 <1 Nickel 0 0 ppm <1 <1 Titanium 0 0 0 0 ppm Silver 0 ppm 0 Manganese 0 ppm  $\bigcirc$ 

0

<1

Add	litives						
Calcium	ppm	<b>596</b>	2027	2468	2437	Depot:	UNIEASLH
Magnesium	ppm	07	0 8	7	12	Unique No:	10956800
Zinc	ppm	<b>339</b>	899	1033	989	Signed:	Jonathan Hester
Phosphorus	ppm	0 378	782	846	910	Report Date:	05 Apr 2024
Barium	ppm	0 🔘		0	<1 Contact/	ocation: Service	e Manager - UNIEASLH
Boron	ppm	0	0 2	3	2		



UNITED STATES GYPSUM 301 RILEY RD

EAST CHICAGO, IN US 43612 Contact: Service Manager

т: F:

## Diagnosis

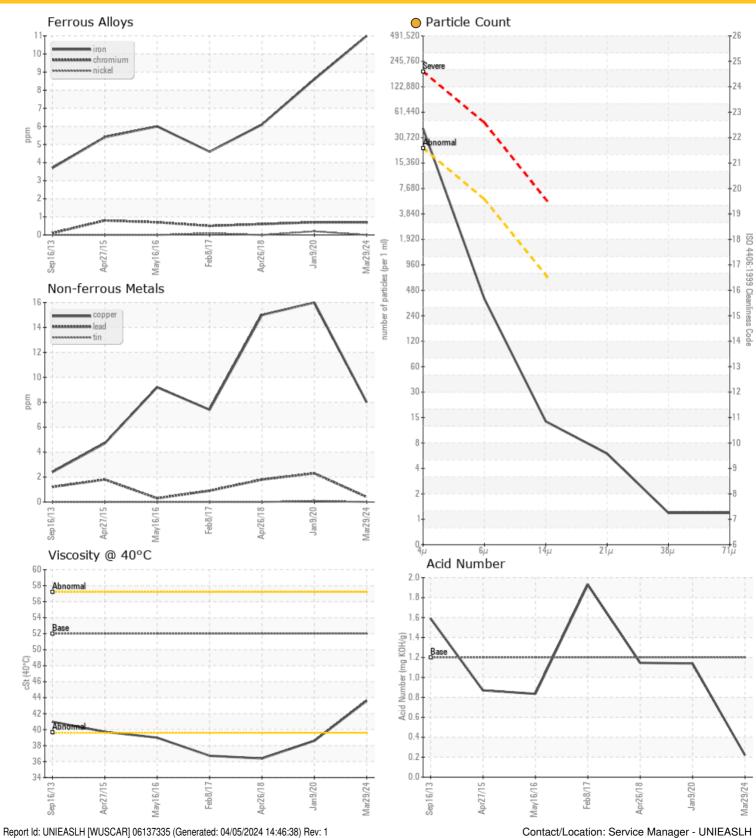
No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of silt (particulates < 6 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







Graphs



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