



LIEBHERR A934C 061320-1006 - Hydraulic System

Sample No: LH

Oil Type: AW HYDRAULIC OIL ISO 32

SAMPLE INFORMATION

Sample Number	LH	LH	LH	LH0234345
Sample Date	28 Apr 2023	28 Apr 2023	25 Oct 2022	08 Aug 2022
Machine Hours	0	0	0	20455
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	N/A
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

Visc @ 40°C	cSt	<u> </u>	0 40.5	0 41.7	0 42.5
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	TAMIN/	ATION			
Particles >4µm		0 46536	28732	0 47519	0 10892
Particles >6µm		0 16962	0 7861	0 17769	3114
Particles >14µm		<u> </u>	318	0 1739	262
ISO 4406:1999 (c	c)	23/21/18	22/20/15	23/21/18	21/19/15
Silicon	ppm	01	○ <1	01	○ <1
Sodium	ppm	0 🔘	○ <1	0	0
Potassium	ppm	0 <1	01	○ <1	0

WEA	R METALS	5			
Iron	ppm	3	04	04	01
Copper	ppm	01	○ <1	0 1	○ <1
Lead	ppm	0 🔘	○ <1	0	0
Tin	ppm	0 ()	0	0	0
Aluminum	ppm	○ <1	○ <1	0	0
Chromium	ppm	<mark></mark> <1	○ <1	○ <1	0
Molybdenum	ppm	0 🔘	0	0	0
Nickel	ppm	0 ()	0	0	○ <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0 ()	0	0	0
Vanadium	ppm	0	0	0	0

0					
	DITIVES				
Calcium	ppm	0 70	72	○ 77	65
Magnesium	ppm	○ <1	0 2	◯ <1	0
Zinc	ppm	603	579	◯ 566	513
Phosphorus	ppm	0 494	○ 507	0 496	0 412
Barium	ppm	0	0	0	0
Boron	ppm	0	○ <1	◯ <1	○ <1



Urban Mine

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Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot:	URBWIN
Unique No:	5630592
Signed:	Kevin Marson
Report Date:	23 Aug 2023

Report Id: URBWIN [WCAMIS] 02577532 (Generated: 08/25/2023 15:30:18) Rev: 1

Submitted By: Bastian Firmbach





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