

LIEBHERR A934C 064064-1007 - Front Left Wheel Hub

Sample No: LH0268382

Oil Type: GEAR OIL LS 80W90

Sample Information LH0268382 Sample Number LH0254764 LH0243221 LH0217640 Sample Date 27 Jun 2024 23 Jun 2023 10 Jan 2023 05 Jul 2022 Machine Hours 26934 24973 24002 23011 **Oil Hours** 0 0 0 0 Oil Changed Changed Changed Changed Changed Sample Status ATTENTION NORMAL NORMAL NORMAL **Oil Condition** cSt Visc @ 40°C 69.7 0 176 0 177 0 159

	ntaminati	ion				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	06	○ 11	6	○ 5	
Sodium	ppm	01	0 1	0 4	03	
Potassium	ppm	() <1	0 2	0	03	

Wea	r Metals				
Iron	ppm	0 41	53	○ 60	0 43
Copper	ppm	02	03	01	01
Lead	ppm	◯ <1	◯ <1	0	0
Tin	ppm	0	0 0	0	○ <1
Aluminum	ppm	◯ <1	2	○ <1	01
Chromium	ppm	0 🔘	○ <1	○ <1	◯ <1
Molybdenum	ppm	0 🔘	◯ <1	◯ <1	◯ <1
Nickel	ppm	○ <1	0 (0	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	◯ <1	◯ <1	○ <1	◯ <1
Vanadium	ppm	0	0	0	0

0 **Additives** 0 2076 Calcium ppm 26 0 48 99 $\bigcirc 5$ Magnesium 07 04 011 ppm 0 25 Zinc 0 896 0 15 29 ppm Phosphorus ppm 0 1164 0 1941 0 171 0 1587 Barium 0 ppm 02 $\bigcirc 0$ $\bigcirc 0$ Boron ppm 0 $\bigcirc 5$ $\bigcirc 6$ 0 21





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Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot:LEC0008Unique No:11126014Signed:Don BaldridgeReport Date:17 Jul 2024Contact/Location: CHRIS BARTNIK - LEC0008





Graphs



