LIEBHERR

CONSTRUCTION EQUIPMENT



[[\$20230516021844]] LIEBHERR TA230 4162 - Front Axle

Sample No: LH06059589

Oil Type: GEAR OIL SAE 80W90

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SAMPLEINFORMATION					
Sample Number		LH06059589			
Sample Date		10 Nov 2023			
Machine Hours		3503			
Oil Hours		0			
Oil Changed		Changed			
Sample Status		ABNORMAL			
OILC	ONDITION	ı			
Visc @ 40°C	cSt	63.7			
-4					
CON	TAMINATI	ON			
Water	%	NEG			
Silicon	ppm	<u>14</u>			
Sodium	ppm	16			
Potassium	ppm	2			
(Ö)					
WEA	R METALS	;			
Iron	ppm	343			
Copper	ppm	<u> </u>			
Lead	ppm	○ <1			
Tin	ppm	8			
Aluminum	ppm	2			
Chromium	ppm	3			
Molybdenum	ppm	() <1			
Nickel	ppm	<u> </u>			
Titanium	ppm	<1			
Silver	ppm	0			
Manganese	ppm	56			
Vanadium	ppm	0			
ADD	ITIVES				
Calcium	ppm	3526			



HEAVY MACHINES INC. 3930 EAST RAINES RD MEMPHIS, TN US 38118 Contact: J. DAVIS JDAVIS@HEAVY.LLC.COM

T:

F: (901)260-2245

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. The nickel level is abnormal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot:LEC0051Unique No:10830971Signed:Jonathan HesterReport Date:16 Jan 2024

Contact/Location: J. DAVIS - LEC0051

10

1459

1258

4

127

Magnesium

Phosphorus

Zinc

Barium

Boron

ppm

ppm

ppm

ppm

ppm

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GRAPHS

