



LIEBHERR LV20F 110983 - Gearbox

Sample No: LH0273165

Molybdenum

Nickel

Silver

Titanium

Manganese

Vanadium

0

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ppm

Additives

Oil Type: LIEBHERR GEAR PG 220

Sample Number		LH0273165	LH0247832	
Sample Date		14 May 2024	12 Aug 2023	
Machine Hours 300		300	192	
Oil Hours 3		300	192	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	NORMAL	
Visc @ 40°C	cSt	235	224	
Water	taminati	ON NEG	NEG	
Silicon	ppm	© 21	O 3	
Sodium	ppm	<1	0 <1	
Potassium	ppm	03		
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We We	ar Metals	5		
Iron	ppm	<u> </u>	185	
Copper	ppm	0 15	6	
Lead	ppm	○ <1	0	
Tin	ppm	○ <1	○ <1	
Aluminum	ppm	● 4 ● 5	0 4	
Chromium			02	

0

5

3

0

34

473

0

21

PETERSON CONTRACTORS INC

PO BOX A REINBECK, IA US 50669 Contact: WADE VANHAVEN MBERWALD@PCIUS.COM T: F:

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:	PETREILH			
Unique No:	11036661			
Signed:	Don Baldridge			
Report Date:	22 May 2024			
Contact/Location: WADE VANHAVEN - PETREILH				

02

02

06

88 🔘

03

0 49

0 434

0

0 19

<1

<1

<1





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Graphs

