

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 072521-1826 - Rear Differential

Sample No: LH0259155

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0259155	---	---	---
Sample Date	05 Apr 2024	---	---	---
Machine Hours	681	---	---	---
Oil Hours	681	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

DERICHEBOURG RECYCLING
 1 WHARF ST
 HOUSTON, TX
 US 77012
 Contact: JEFF MCLEROY
 jeff.mcleroy@derichebourg.com
 T: (281)642-6680
 F:



Oil Condition

Visc @ 40°C	cSt	● 193	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 24	---	---	---
Sodium	ppm	● 7	---	---	---
Potassium	ppm	● <1	---	---	---



Wear Metals

Iron	ppm	● 163	---	---	---
Copper	ppm	● 128	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 5	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 3	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	35	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 3	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 58	---	---	---
Phosphorus	ppm	● 2328	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 3	---	---	---

Diagnosis

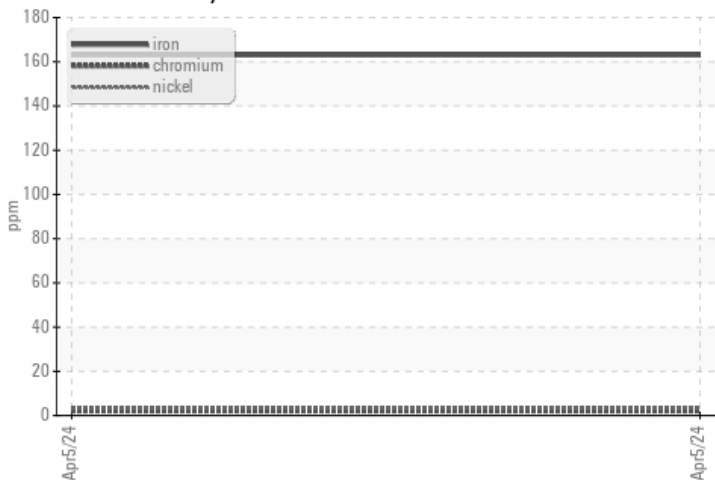
No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: DERHOU
Unique No: 11088020
Signed: Sean Felton
Report Date: 21 Jun 2024

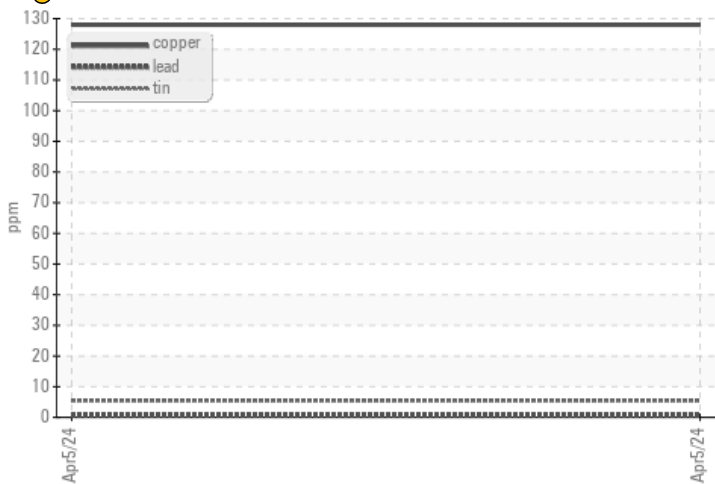


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

