

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A944 038730-194 - Rear Differential

Sample No: LH0264403

Oil Type: GEAR OIL SAE 80W90



ALTER METAL
 2080 SPINDT DR
 WAUPACA, WI
 US 54981
 Contact: BRAD DORMADY
 brad.dormady@altertrading.com
 T:
 F:



SAMPLE INFORMATION

Sample Number	LH0264403	LH0185258	---	---
Sample Date	28 Jun 2023	29 Jan 2021	---	---
Machine Hours	29970	27384	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	143	145	---	---
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CONTAMINATION

Silicon	ppm	1	4	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	3	8	---	---



WEAR METALS

Iron	ppm	18	123	---	---
Copper	ppm	7	60	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	2	---	---
Chromium	ppm	0	1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	24	42	---	---
Magnesium	ppm	5	0	---	---
Zinc	ppm	22	69	---	---
Phosphorus	ppm	663	898	---	---
Barium	ppm	2	0	---	---
Boron	ppm	11	95	---	---

Diagnosis

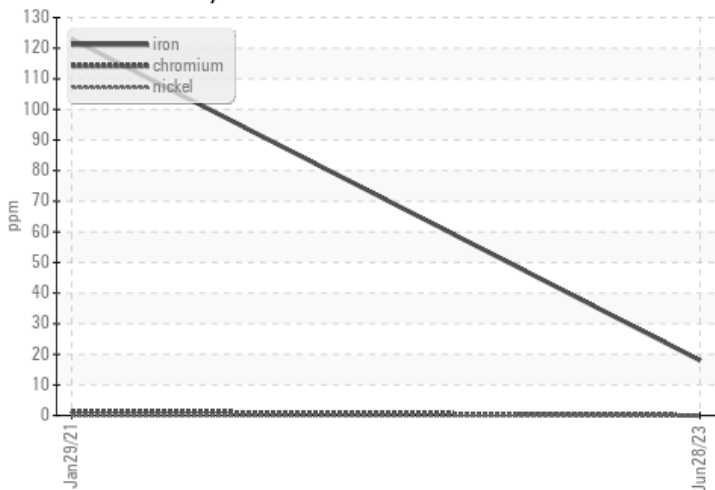
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: ALTWAUWI
 Unique No: 10546779
 Signed: Angela Borella
 Report Date: 07 Jul 2023

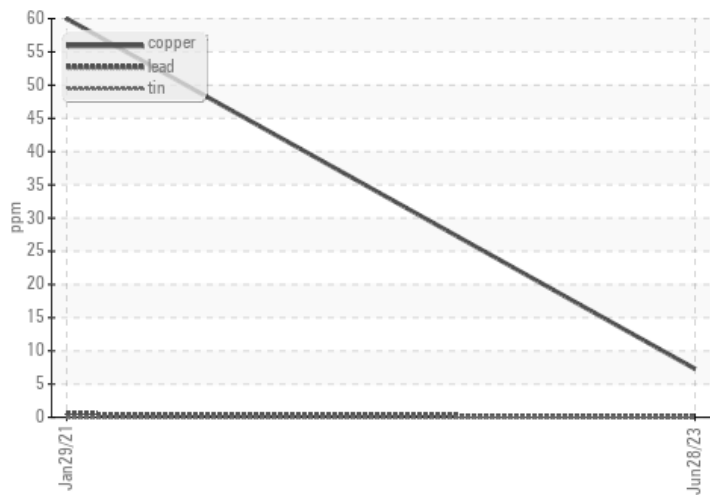


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

