

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R922 003029-480 - Right Final Drive

Sample No: LH0268162

Oil Type: NAPA 80W90



CURTIS EXCAVATING
 N8701 HWY EE
 PORTAGE, WI
 US 53901
 Contact: RUSTY
 rusty.curtis1@gmail.com
 T: (608)697-3494
 F:



Sample Information

Sample Number	LH0268162	---	---	---
Sample Date	13 Jun 2024	---	---	---
Machine Hours	20000	---	---	---
Oil Hours	285	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 141	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 56	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 4	---	---	---



Wear Metals

Iron	ppm	● 329	---	---	---
Copper	ppm	● 9	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 6	---	---	---
Chromium	ppm	● 4	---	---	---
Molybdenum	ppm	● 3	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	● 1	---	---	---
Silver	ppm	● <1	---	---	---
Manganese	ppm	● 4	---	---	---
Vanadium	ppm	● <1	---	---	---



Additives

Calcium	ppm	● 18	---	---	---
Magnesium	ppm	● 11	---	---	---
Zinc	ppm	● 31	---	---	---
Phosphorus	ppm	● 670	---	---	---
Barium	ppm	● 1	---	---	---
Boron	ppm	● 9	---	---	---

Diagnosis

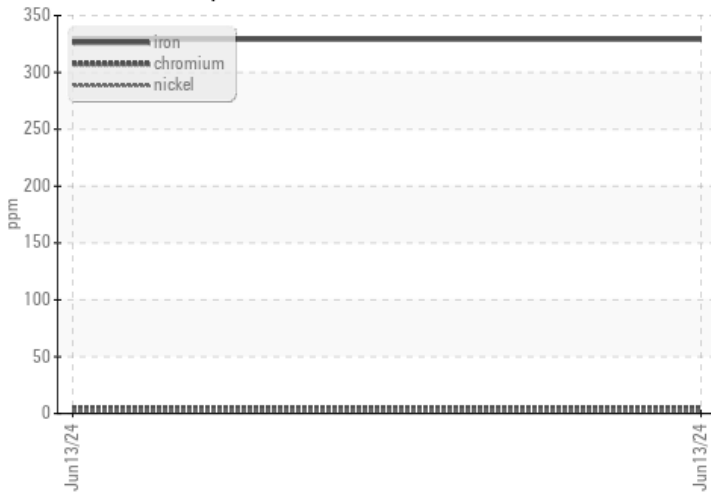
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: CURPORLH
 Unique No: 11090298
 Signed: Wes Davis
 Report Date: 24 Jun 2024

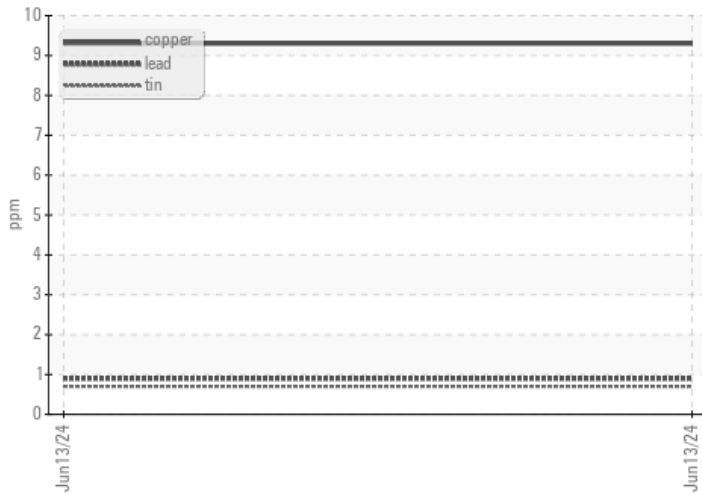


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

