

LIEBHERR

CONSTRUCTION EQUIPMENT



[WILLIS KERR] LIEBHERR L586 59553 - Hydraulic System

Sample No: LH0173447

Oil Type: NOT GIVEN



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Joseph Gillis
 joseph.gillis@liebherr.com
 T:
 F: (905)319-6622



SAMPLE INFORMATION

Sample Number	LH0173447	---	---	---
Sample Date	20 Jul 2023	---	---	---
Machine Hours	4002	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 43.2	---	---	---
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CONTAMINATION

Particles >4µm		● 13725	---	---	---
Particles >6µm		● 543	---	---	---
Particles >14µm		● 13	---	---	---
ISO 4406:1999 (c)		21/16/11	---	---	---
Silicon	ppm	● 11	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 3	---	---	---



WEAR METALS

Iron	ppm	● 22	---	---	---
Copper	ppm	● 6	---	---	---
Lead	ppm	● 8	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 5	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 1293	---	---	---
Magnesium	ppm	● 8	---	---	---
Zinc	ppm	● 696	---	---	---
Phosphorus	ppm	● 636	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● <1	---	---	---

Diagnosis

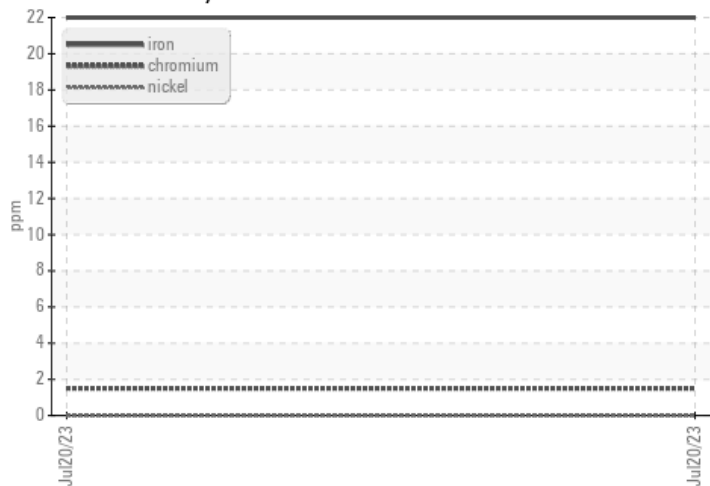
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS
 Unique No: 5616748
 Signed: Kevin Marson
 Report Date: 25 Jul 2023

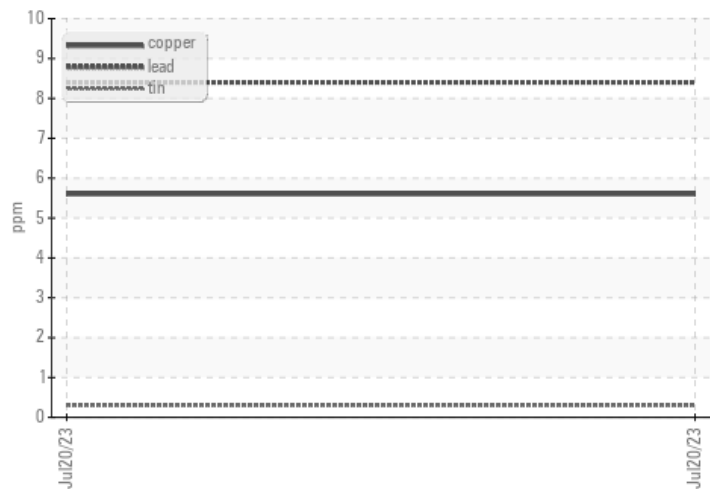


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

