

LIEBHERR

CONSTRUCTION EQUIPMENT



065300 - Hydraulic System

Sample No: LH0265073

Oil Type: PETRO CANADA DURON UHP 0W30



SAMPLE INFORMATION

Sample Number	LH0265073	---	---	---
Sample Date	21 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

Liebherr-Canada Ltd.

Fort McKay Industrial Park, Lot No. 12 and 13

Fort McMurray, AB

CA T9H 5N3

Contact: Evan Moores

evan.moores@liebherr.com

T:

F:



OIL CONDITION

Visc @ 40°C	cSt	58.8	---	---	---
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CONTAMINATION

Particles >4µm		75443	---	---	---
Particles >6µm		1481	---	---	---
Particles >14µm		27	---	---	---
ISO 4406:1999 (c)		23/18/12	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	78	---	---	---
Potassium	ppm	213	---	---	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	46	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	66	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	883	---	---	---
Magnesium	ppm	927	---	---	---
Zinc	ppm	1081	---	---	---
Phosphorus	ppm	1080	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	29	---	---	---

Depot: LIEFTM

Unique No: 5645760

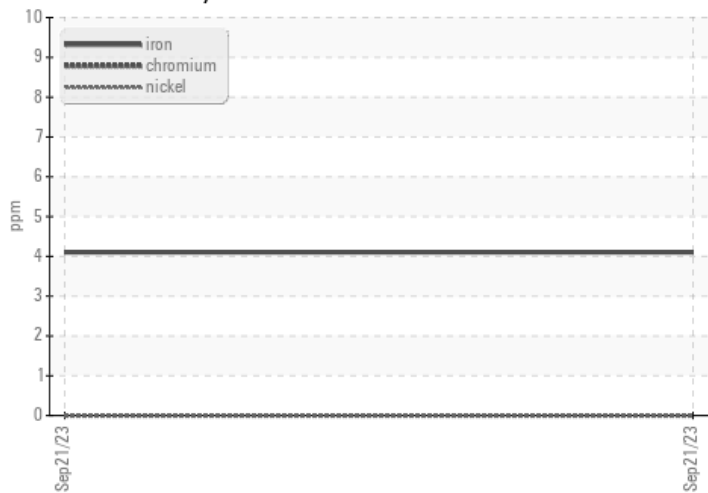
Signed: Bill Quesnel

Report Date: 25 Sep 2023

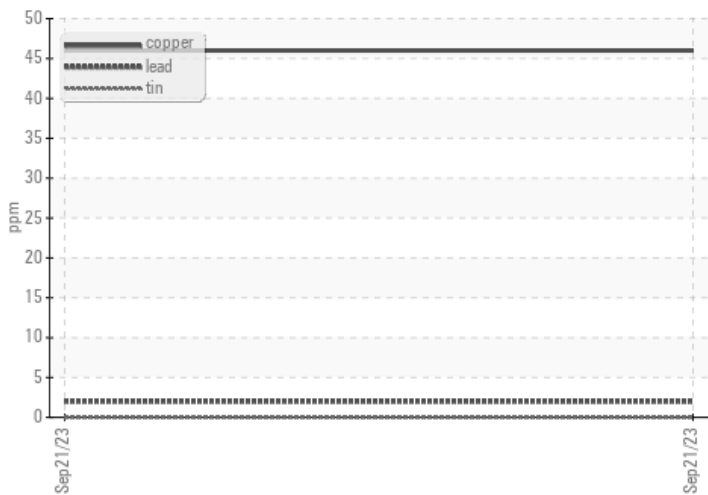


GRAPHS

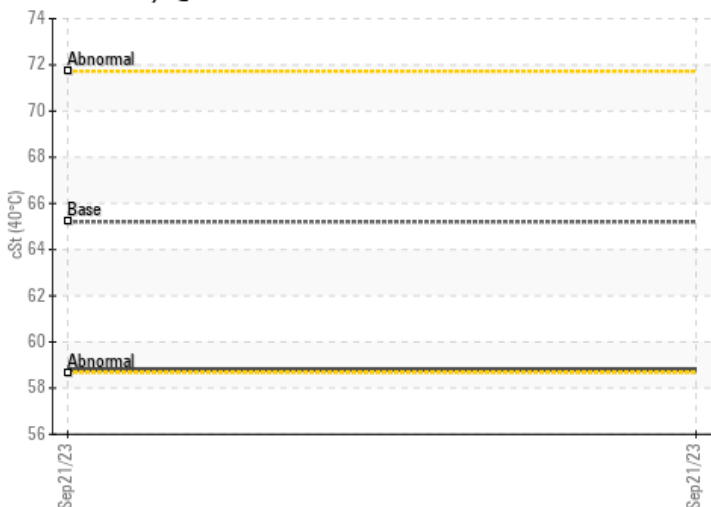
Ferrous Alloys



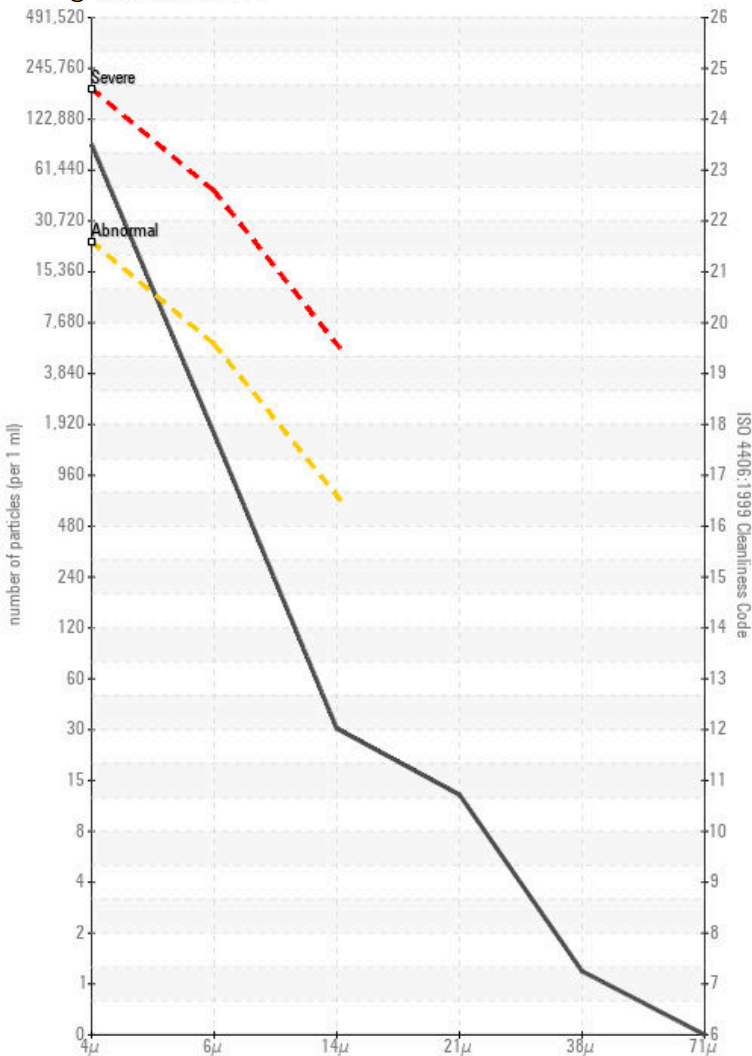
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



ISO 4406:1999 Cleanliness Code