

LIEBHERR

CONSTRUCTION EQUIPMENT



[MENARD] LIEBHERR HS855 184638 - Hydraulic System

Sample No: LH0291242

Oil Type: {unknown}



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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Sample Information

Sample Number	LH0291242	---	---	---
Sample Date	02 May 2024	---	---	---
Machine Hours	15916	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 43.8	---	---	---
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Contamination

Water	%	NEG	---	---	---
Particles >4µm		● 32524	---	---	---
Particles >6µm		● 5175	---	---	---
Particles >14µm		● 207	---	---	---
ISO 4406:1999 (c)		22/20/15	---	---	---
Silicon	ppm	● 0	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● <1	---	---	---



Wear Metals

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



Additives

Calcium	ppm	64	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	135	---	---	---
Phosphorus	ppm	143	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Diagnosis

We recommend you service the filters on this component. 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. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS
 Unique No: 5775047
 Signed: Wes Davis
 Report Date: 08 May 2024



Graphs

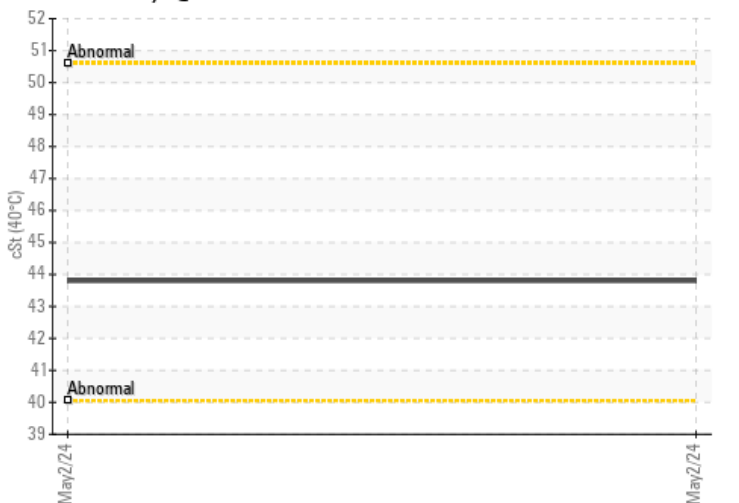
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

