

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [CAMBRIDGE ASPHALT] LIEBHERR L566 036511-1168 - Hydraulic

Sample No: LH0257430  
Oil Type: NOT GIVEN



**Summit Aggregates**  
2686 Greenfield Blvd.  
Ayr, ON  
CA N0B 1E0  
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T: (226)791-0161  
F:



#### SAMPLE INFORMATION

Sample Number	LH0257430	LH0239194	LH0192688	LH
Sample Date	14 Sep 2023	07 Nov 2022	15 Jul 2021	31 Oct 2020
Machine Hours	13830	11757	0	9931
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	38.1	40.4	40.9	41.5
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#### CONTAMINATION

Particles >4µm		5494	19374	5846	2403
Particles >6µm		857	1449	1451	216
Particles >14µm		29	22	99	17
ISO 4406:1999 (c)		20/17/12	21/18/12	20/18/14	18/15/11
Silicon	ppm	6	4	3	2
Sodium	ppm	1	<1	<1	<1
Potassium	ppm	1	0	<1	<1



#### WEAR METALS

Iron	ppm	10	6	2	6
Copper	ppm	3	2	<1	2
Lead	ppm	3	3	<1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	<1	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	1240	1566	1447	135
Magnesium	ppm	12	13	12	2
Zinc	ppm	732	783	799	548
Phosphorus	ppm	640	701	670	417
Barium	ppm	0	0	0	<1
Boron	ppm	2	3	3	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: SUMAYR  
Unique No: 5643927  
Signed: Wes Davis  
Report Date: 18 Sep 2023

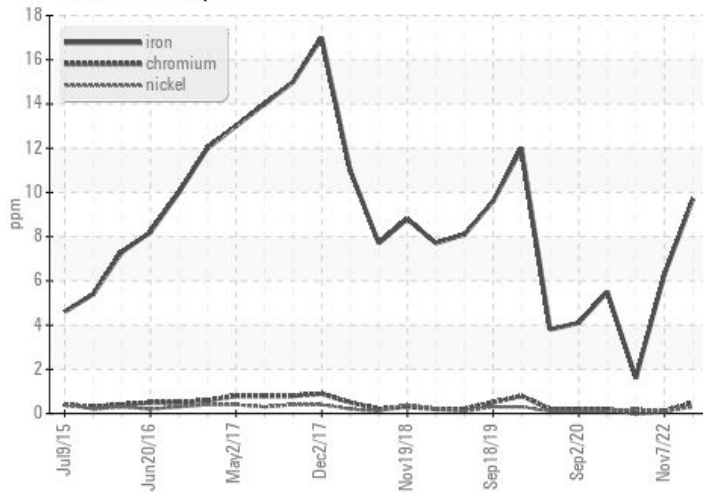
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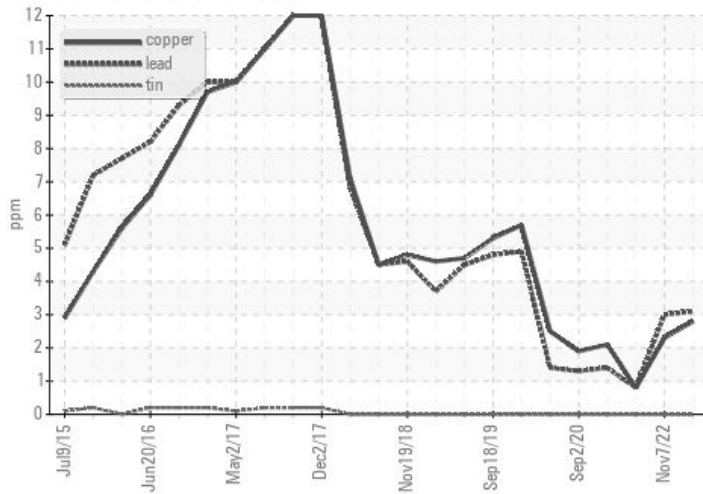


### GRAPHS

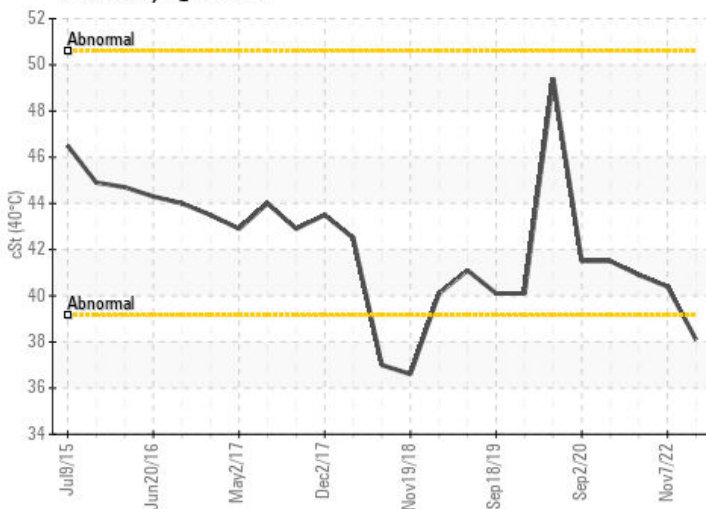
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

