

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR736LGP 020009-1736 - Hydraulic System

Sample No: LH0277436

Oil Type: PETRO CANADA 10W30



THOMAS CAVANAGH CONSTRUCTION LTD  
RR # 2, 9094 CAVANAGH ROAD  
ASHTON, ON  
CA K0A 1B0  
Contact: Keith

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#### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The condition of the oil is acceptable for the time in service.



#### Sample Information

Sample Number	LH0277436	LH0237754	LH0239692	---
Sample Date	16 Nov 2023	02 Feb 2023	24 Aug 2022	---
Machine Hours	2505	2011	1454	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	ATTENTION	NORMAL	NORMAL	---



#### Oil Condition

Visc @ 40°C	cSt	52.9	45.5	45.7	---
Acid Number (AN)	mg KOH/g	---	1.14	---	---



#### Contamination

Water	%	NEG	NEG	NEG	---
Particles >4µm		30333	11406	11828	---
Particles >6µm		5865	1494	1694	---
Particles >14µm		287	99	78	---
ISO 4406:1999 (c)		22/20/15	21/18/14	21/18/13	---
Silicon	ppm	4	3	2	---
Sodium	ppm	7	6	6	---
Potassium	ppm	<1	2	2	---



#### Wear Metals

Iron	ppm	6	10	6	---
Copper	ppm	4	6	5	---
Lead	ppm	<1	<1	1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	1	1	---
Chromium	ppm	<1	1	<1	---
Molybdenum	ppm	31	6	4	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	4	5	5	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



#### Additives

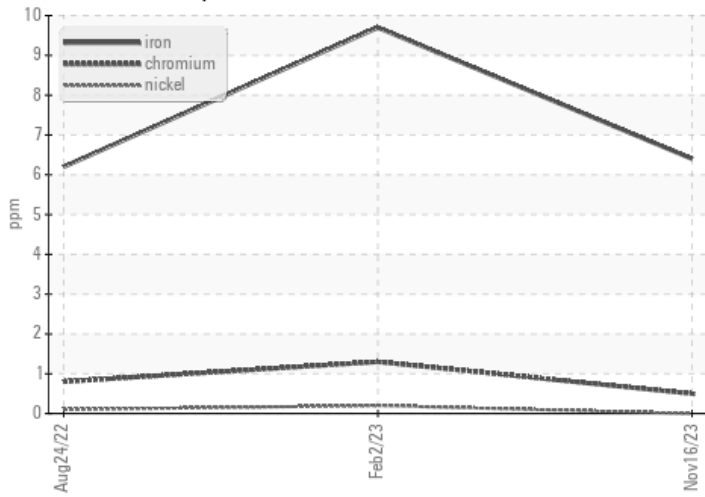
Calcium	ppm	1201	1354	1291	---
Magnesium	ppm	490	69	47	---
Zinc	ppm	970	754	727	---
Phosphorus	ppm	853	709	637	---
Barium	ppm	<1	0	0	---
Boron	ppm	20	31	32	---

Depot: CAVASH  
Unique No: 5683555  
Signed: Kevin Marson  
Report Date: 24 Nov 2023

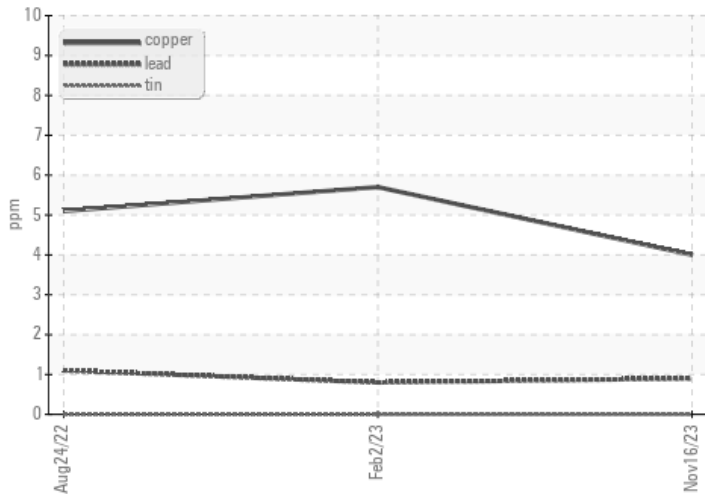


### Graphs

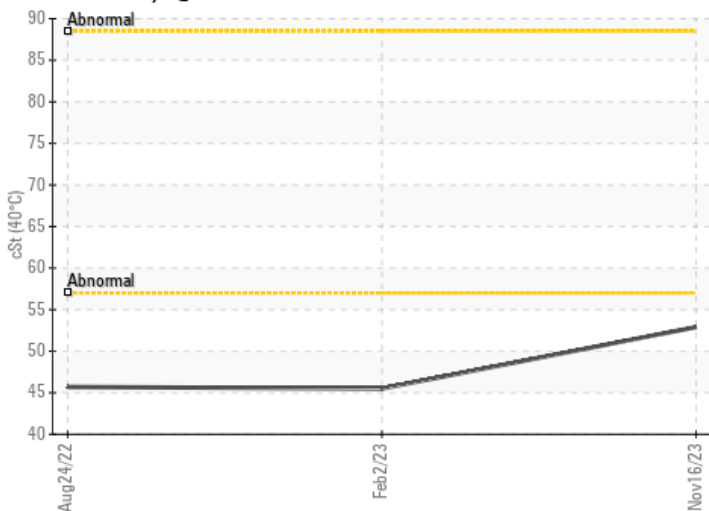
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

