

LIEBHERR

CONSTRUCTION EQUIPMENT



102383 - Hydraulic System

Sample No: LH0265556

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0265556	---	---	---
Sample Date	20 Sep 2023	---	---	---
Machine Hours	4142	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

American Iron and Metal

75 Steel City Court
Hamilton, ON
CA L8H 3Y2
Contact: Heavy Equipment
hamiltonmobileassetmaintenance@aim-recycling.com
T: (905)547-5533
F: (905)544-5671



OIL CONDITION

Visc @ 40°C	cSt	● 40.9	---	---	---
-------------	-----	--------	-----	-----	-----



CONTAMINATION

Particles >4µm		● 6877	---	---	---
Particles >6µm		● 1913	---	---	---
Particles >14µm		● 116	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● <1	---	---	---

Diagnosis

Resample at the next service interval to monitor. 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.



WEAR METALS

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



ADDITIVES

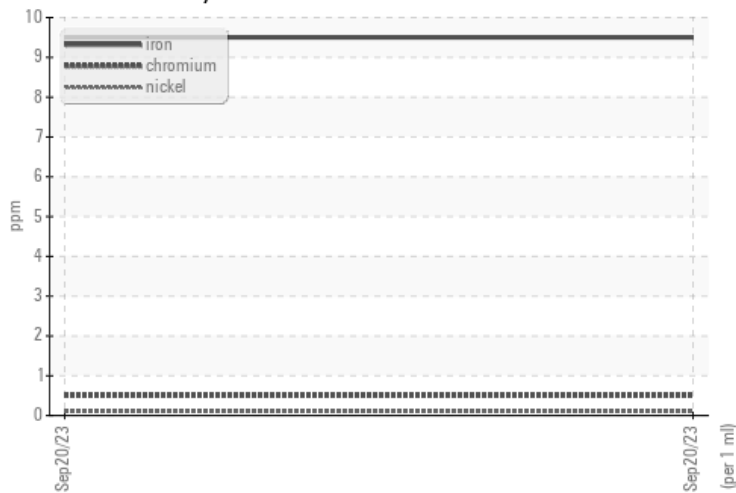
Calcium	ppm	● 556	---	---	---
Magnesium	ppm	● 74	---	---	---
Zinc	ppm	● 658	---	---	---
Phosphorus	ppm	● 536	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 9	---	---	---

Depot: AMEHAM
Unique No: 5656248
Signed: Wes Davis
Report Date: 06 Oct 2023

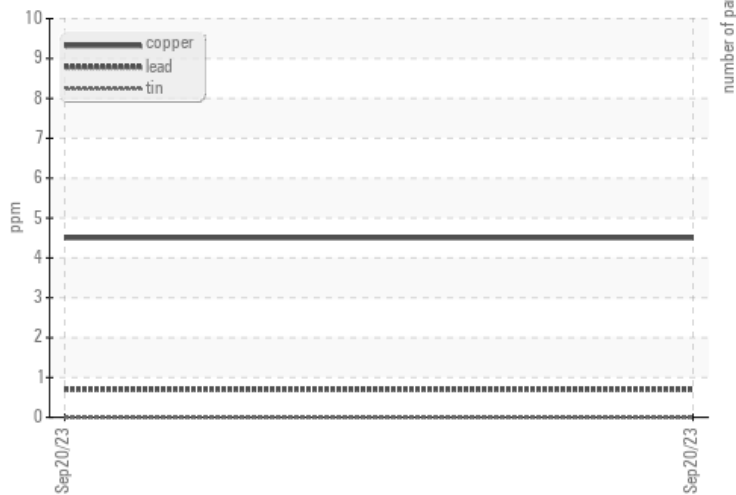


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

