

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C 123315-1528 - Hydraulic System

Sample No: LH0250501

Oil Type: PETRO CANADA ENVIRON MV 46



Schnitzer Steel Canada Ltd.
 12195 Musqueam Dr.
 Surrey, BC
 CA V3V 3T2
 Contact: Shane Brown
 sbrown@amix.ca
 T: (604)823-6990
 F: (604)823-6913



SAMPLE INFORMATION

Sample Number	LH0250501	LH0250479	LH0240708	LH0240794
Sample Date	29 May 2023	04 Apr 2023	15 Feb 2023	18 Jan 2023
Machine Hours	5590	5348	5097	0
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	N/A
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION



OIL CONDITION

Visc @ 40°C	cSt	40.3	40.2	40.3	40.2
		●	●	●	●



CONTAMINATION

Particles >4µm		● 287	● 281	● 803	● 19237
Particles >6µm		● 70	● 60	● 179	● 5260
Particles >14µm		● 11	● 4	● 20	● 466
ISO 4406:1999 (c)		15/13/11	15/13/9	17/15/11	21/20/16
Silicon	ppm	● 1	● <1	● 1	● 1
Sodium	ppm	● 1	● <1	● <1	● 1
Potassium	ppm	● <1	● 0	● 0	● 0



WEAR METALS

Iron	ppm	● 17	● 15	● 15	● 15
Copper	ppm	● 4	● 5	● 5	● 6
Lead	ppm	● <1	● <1	● <1	● <1
Tin	ppm	● 0	● <1	● <1	● 0
Aluminum	ppm	● <1	● <1	● <1	● <1
Chromium	ppm	● 2	● 2	● 2	● 2
Molybdenum	ppm	● <1	● <1	● <1	● <1
Nickel	ppm	● 0	● <1	● <1	● 0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	● <1	● <1	● <1	● <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	● 195	● 212	● 206	● 245
Magnesium	ppm	● 6	● 6	● 6	● 7
Zinc	ppm	● 115	● 115	● 115	● 133
Phosphorus	ppm	● 651	● 667	● 663	● 659
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	● 1	● 1	● 1	● 2

Diagnosis

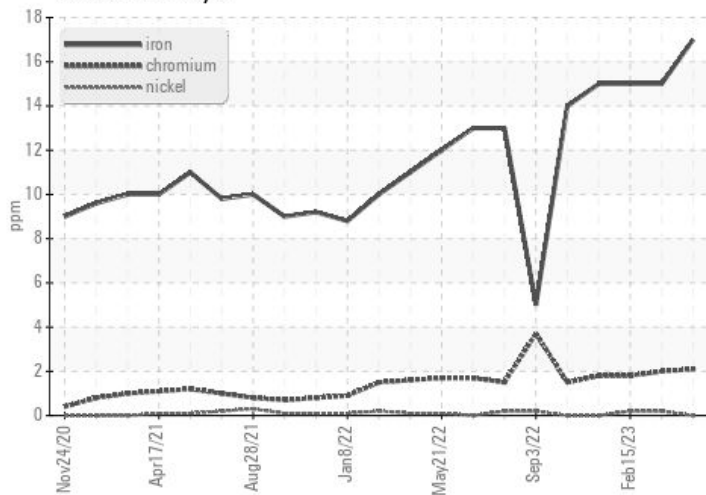
Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: AMISUR
 Unique No: 5629637
 Signed: Kevin Marson
 Report Date: 18 Aug 2023

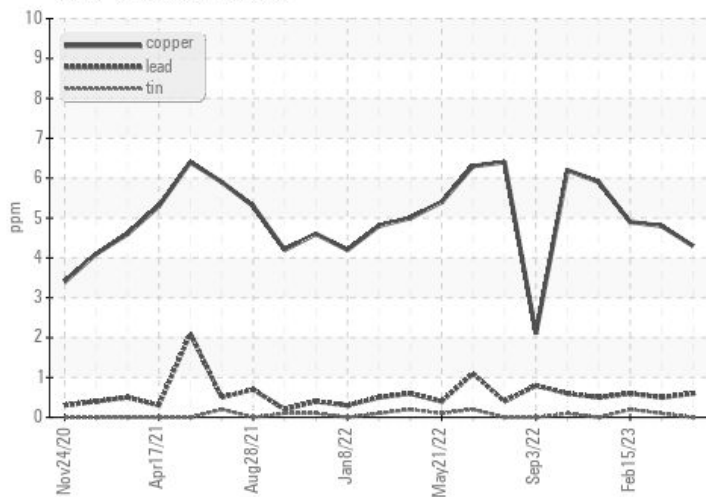


GRAPHS

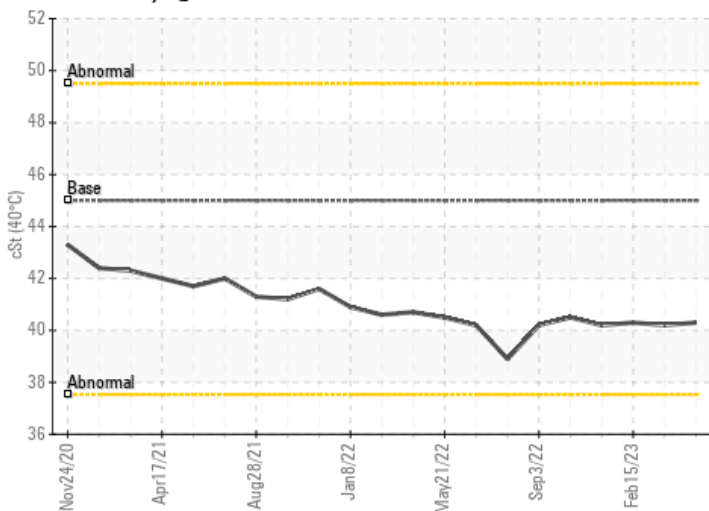
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

