

LIEBHERR

CONSTRUCTION EQUIPMENT



CATERPILLAR 769D 55500125 - Hydraulic System

Sample No: LH0260508

Oil Type: PETRO CANADA 30W



Radius Recycling Canada Ltd.
 12195 Musqueam Dr.
 Surrey, BC
 CA V3V 3T2
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SAMPLE INFORMATION

Sample Number	LH0260508	LH0250512	LH0250495	LH0250486
Sample Date	02 Nov 2023	28 Aug 2023	30 Jun 2023	06 May 2023
Machine Hours	37078	36828	36583	36335
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	77.8	77.5	83.1	83.6



CONTAMINATION

Particles >4µm		16163	20010	19267	24097
Particles >6µm		342	238	975	442
Particles >14µm		28	21	15	10
ISO 4406:1999 (c)		21/16/12	22/15/12	21/17/11	22/16/10
Silicon	ppm	13	13	13	14
Sodium	ppm	1	1	1	<1
Potassium	ppm	0	<1	<1	0



WEAR METALS

Iron	ppm	12	11	10	11
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	2	2	1
Nickel	ppm	3	2	2	2
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2768	2703	3061	3277
Magnesium	ppm	28	24	25	24
Zinc	ppm	956	924	1042	1075
Phosphorus	ppm	852	871	955	990
Barium	ppm	<1	0	0	0
Boron	ppm	4	4	4	4

Diagnosis

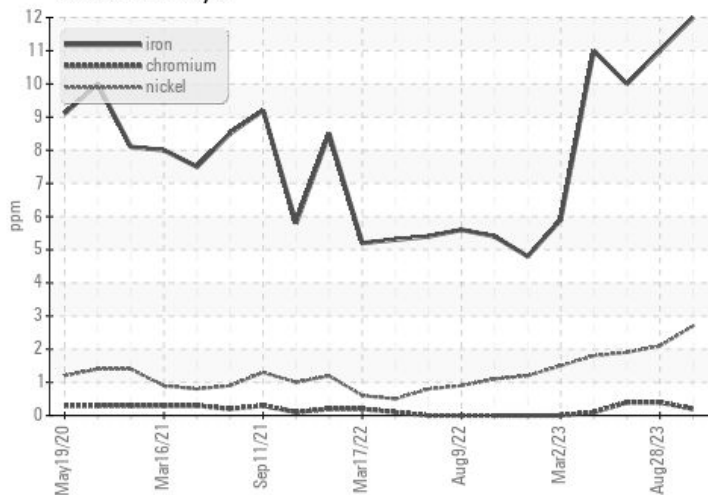
We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: AMISUR
 Unique No: 5671525
 Signed: Kevin Marson
 Report Date: 08 Nov 2023

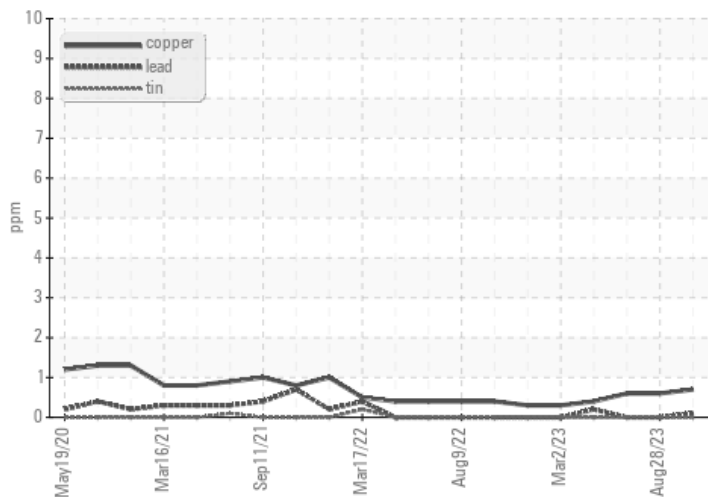


GRAPHS

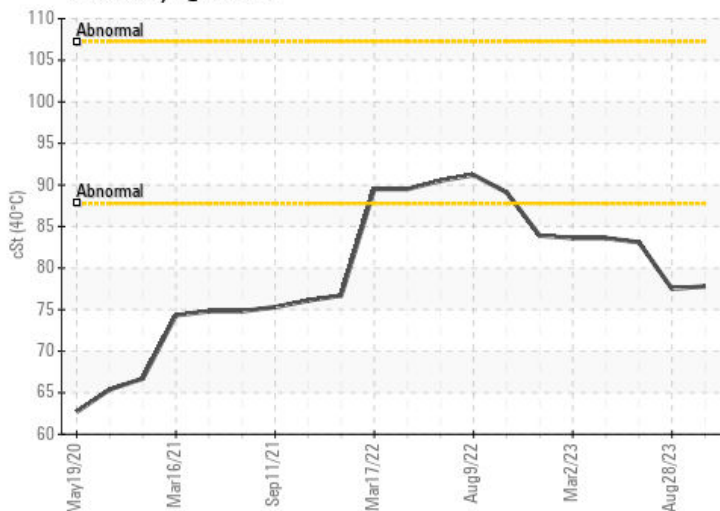
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

