

LIEBHERR

CONSTRUCTION EQUIPMENT



CATERPILLAR 769B 99F05267 - Hydraulic System

Sample No: LH0260503

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	LH0260503	LH0240780	LH0221979	LH0218540
Sample Date	24 Oct 2023	16 Mar 2023	24 Sep 2022	06 Jul 2022
Machine Hours	14510	14264	13970	13674
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	SEVERE	SEVERE	SEVERE	SEVERE



OIL CONDITION

Visc @ 40°C	cSt	83.3	86.9	87.3	88.3



CONTAMINATION

Particles >4µm		95346	73422	77758	122491
Particles >6µm		12982	11573	11025	10084
Particles >14µm		177	186	140	156
ISO 4406:1999 (c)		24/21/15	23/21/15	23/21/14	24/21/14
Silicon	ppm	12	13	15	17
Sodium	ppm	2	2	2	2
Potassium	ppm	0	<1	<1	<1



WEAR METALS

Iron	ppm	20	17	14	11
Copper	ppm	16	14	13	9
Lead	ppm	2	2	2	2
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	2	1	1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	2	2	2	2
Nickel	ppm	0	0	0	<1
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	2789	3042	2924	2834
Magnesium	ppm	29	20	19	18
Zinc	ppm	1039	1074	1117	1137
Phosphorus	ppm	896	987	1031	953
Barium	ppm	<1	0	0	0
Boron	ppm	3	3	3	3

Diagnosis

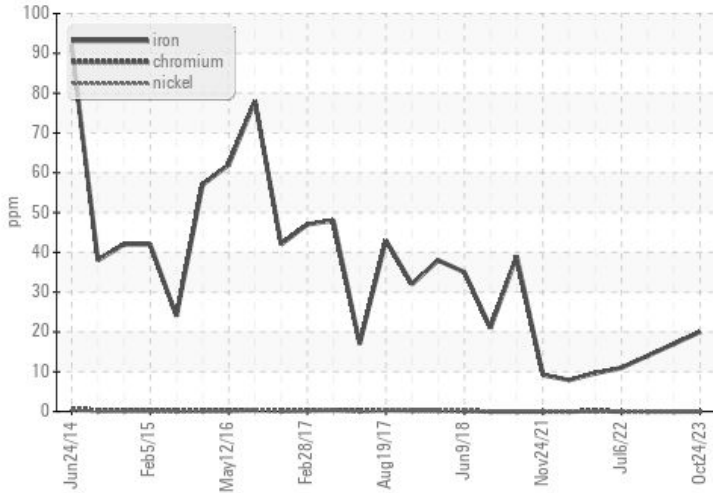
Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: AMISUR
 Unique No: 5671526
 Signed: Kevin Marson
 Report Date: 07 Nov 2023

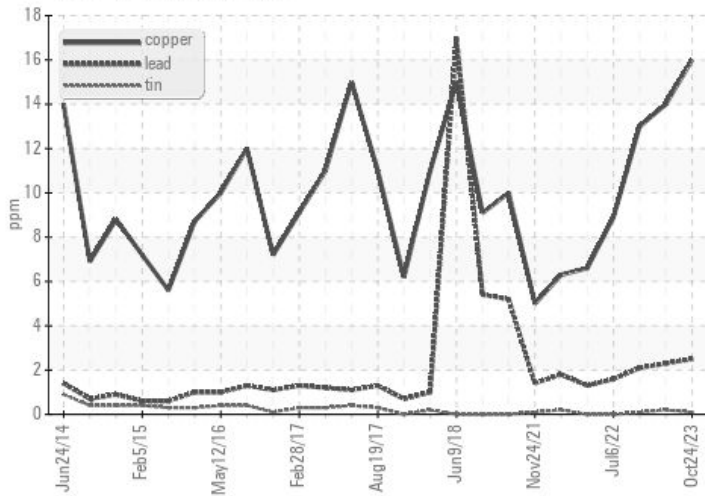


GRAPHS

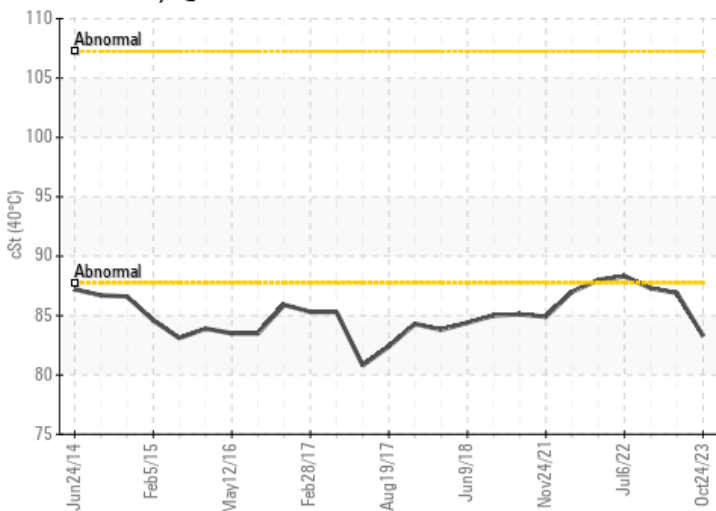
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

