

LIEBHERR

CONSTRUCTION EQUIPMENT



CATERPILLAR 769D 55500125 - Hydraulic System

Sample No: LH0284088

Oil Type: PETRO CANADA 30W



Radius Recycling Canada Ltd.
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 Surrey, BC
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Sample Information

Sample Number	LH0284088	LH0284106	LH0260565	LH0260627
Sample Date	10 Jun 2024	27 Apr 2024	11 Mar 2024	09 Jan 2024
Machine Hours	38109	37873	37618	37329
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ATTENTION



Oil Condition

Visc @ 40°C	cSt	80.7	79.7	79.0	78.9



Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		19072	11186	12975	7324
Particles >6µm		206	153	230	111
Particles >14µm		10	15	11	5
ISO 4406:1999 (c)		21/15/10	21/14/11	21/15/11	20/14/10
Silicon	ppm	11	10	11	12
Sodium	ppm	2	1	1	1
Potassium	ppm	1	<1	<1	8

Diagnosis

We recommend you service the filters on this component. 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. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



Wear Metals

Iron	ppm	13	12	11	11
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	<1	<1	2
Nickel	ppm	2	2	2	3
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0



Additives

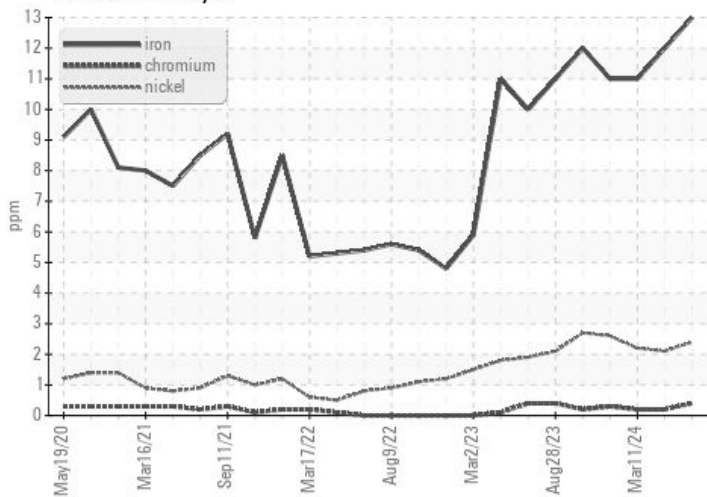
Calcium	ppm	2766	2787	2785	2792
Magnesium	ppm	28	30	30	30
Zinc	ppm	1017	981	999	962
Phosphorus	ppm	888	868	873	882
Barium	ppm	<1	0	<1	0
Boron	ppm	4	3	3	3

Depot: AMISUR
 Unique No: 5813222
 Signed: Kevin Marson
 Report Date: 15 Jul 2024

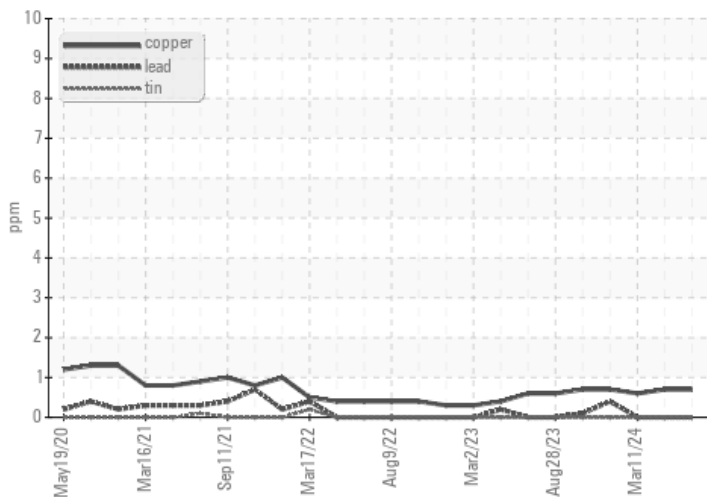


Graphs

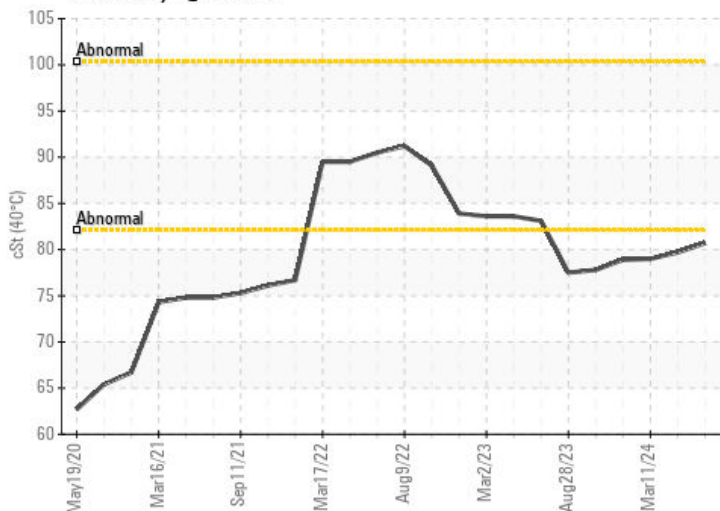
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

