

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 068244 - Hydraulic System

Sample No: LH0288164

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Gerdau - Mandak Metal Processors Ltd.,
 1 Railway St., P.O. Box 334
 Selkirk, MB
 CA R1A 2B3
 Contact: Santiago Giraldo
 santiago.giraldo@gerdau.com
 T:
 F: (204)482-8241



Sample Information

Sample Number	LH0288164	LH0278463	LH0278596	LH0278518
Sample Date	25 Apr 2024	22 Mar 2024	21 Feb 2024	22 Dec 2023
Machine Hours	9033	5517	8026	7142
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	46.0	44.4	43.4	43.5



Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		41050	44270	60599	94488
Particles >6µm		4941	5814	9993	26430
Particles >14µm		159	312	902	1766
ISO 4406:1999 (c)		23/19/14	23/20/15	23/20/17	24/22/18
Silicon	ppm	0	<1	2	2
Sodium	ppm	0	0	<1	<1
Potassium	ppm	<1	<1	<1	<1



Wear Metals

Iron	ppm	2	6	9	7
Copper	ppm	<1	<1	1	1
Lead	ppm	0	<1	4	2
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	1	<1
Chromium	ppm	<1	1	2	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	114	146	189	189
Magnesium	ppm	4	11	17	20
Zinc	ppm	806	792	760	688
Phosphorus	ppm	623	610	607	549
Barium	ppm	0	<1	<1	<1
Boron	ppm	<1	<1	0	0

Diagnosis

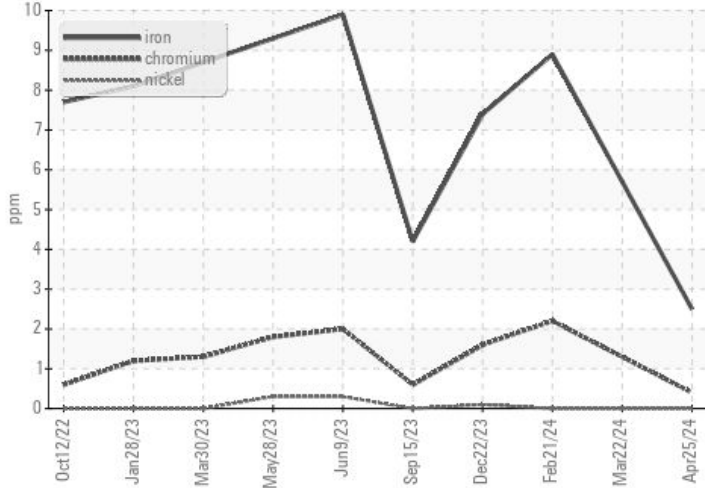
We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: MANSEL
 Unique No: 5774329
 Signed: Wes Davis
 Report Date: 06 May 2024

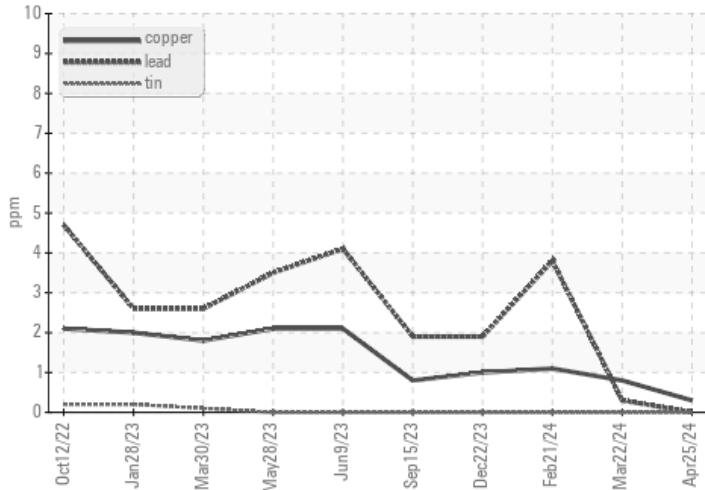


Graphs

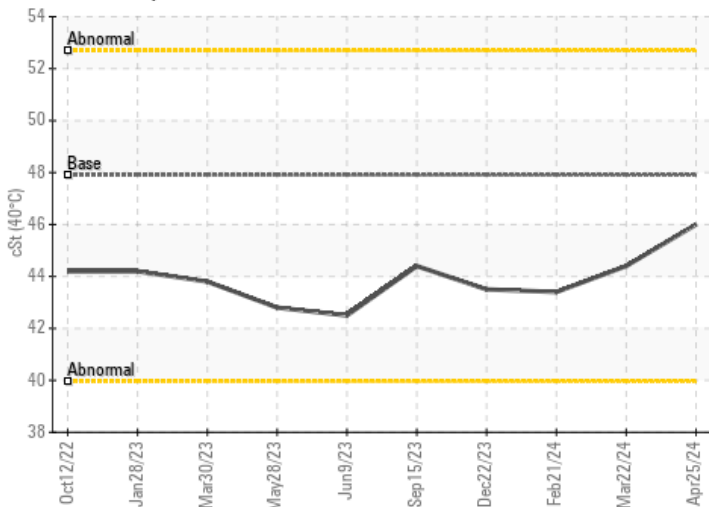
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

