

LIEBHERR

CONSTRUCTION EQUIPMENT



035301-1375 - Hydraulic System

Sample No: LH0274433

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0274433	LH	LH	LH
Sample Date	15 Aug 2023	19 Jan 2022	16 Jul 2021	31 Mar 2021
Machine Hours	13957	11963	11248	10762
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

American Iron and Metal
 10 760A HENRI BOURASSA EST
 MONTREAL, QC
 CA H1C 1S9
 Contact: M. Couturier
 mcouturier@delsan-aim.com
 T: (514)703-7024
 F:



OIL CONDITION

Visc @ 40°C	cSt	42.6	41.1	41.1	42.1
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CONTAMINATION

Water	%	---	---	0.027	---
Particles >4µm		5047	894	419	1813
Particles >6µm		1386	157	92	334
Particles >14µm		93	8	10	12
ISO 4406:1999 (c)		20/18/14	17/14/10	16/14/10	18/16/11
Silicon	ppm	2	2	2	2
Sodium	ppm	4	2	2	2
Potassium	ppm	2	1	1	1

Diagnosis

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. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	12	11	12	12
Copper	ppm	4	4	4	4
Lead	ppm	1	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	4	2	1	1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	188	211	250	256
Magnesium	ppm	2	2	2	2
Zinc	ppm	780	752	730	730
Phosphorus	ppm	638	615	603	558
Barium	ppm	0	0	0	<1
Boron	ppm	<1	<1	1	1

Depot: AIMMON
 Unique No: 5629247
 Signed: Wes Davis
 Report Date: 16 Aug 2023

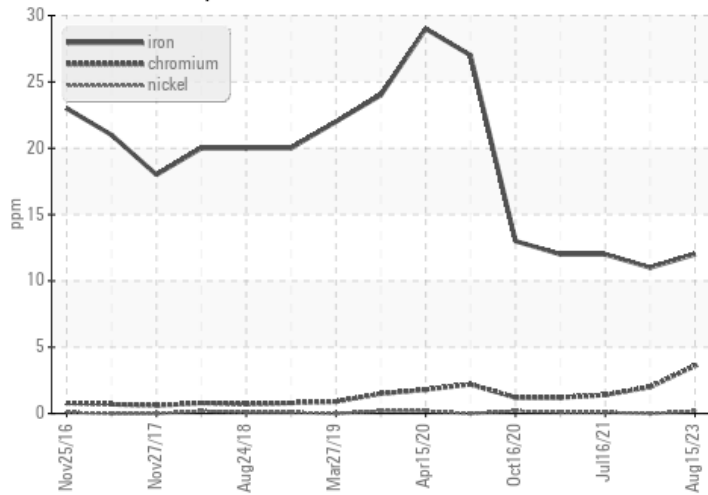
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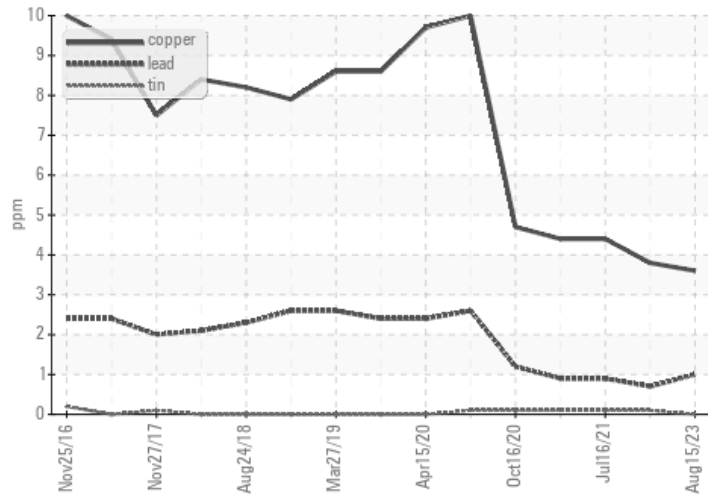


GRAPHS

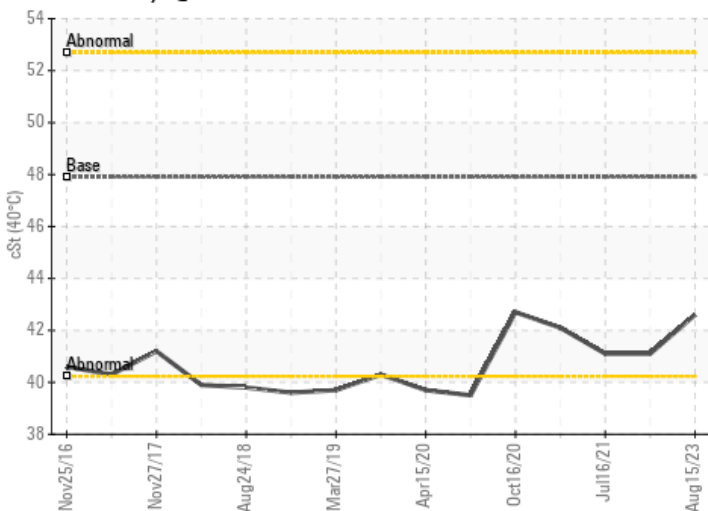
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

