

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 040916-1287 - Hydraulic System

Sample No: LH0104274

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0104274	LH0104293	LH0256717	LH0162340
Sample Date	23 Feb 2024	29 Sep 2023	20 Mar 2023	13 Dec 2022
Machine Hours	11750	11118	10626	10041
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Changed
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

RIDEAU BULK TERMINALS INC.
 3141 ALBION ROAD SOUTH
 OTTAWA, ON
 CA K1V 8Y3
 Contact: Marc Yelle
 myelle@rideaubulk.com
 T: (613)223-3023
 F:



OIL CONDITION

Visc @ 40°C	cSt	44.9	44.6	44.7	42.9



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		2122	25614	8631	1682
Particles >6µm		148	2003	2102	413
Particles >14µm		16	76	152	19
ISO 4406:1999 (c)		18/14/11	22/18/13	20/18/14	18/16/11
Silicon	ppm	1	2	2	2
Sodium	ppm	6	7	7	7
Potassium	ppm	3	2	2	2

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	9	14	11	17
Copper	ppm	2	2	2	3
Lead	ppm	1	2	2	3
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	1	2	1	3
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

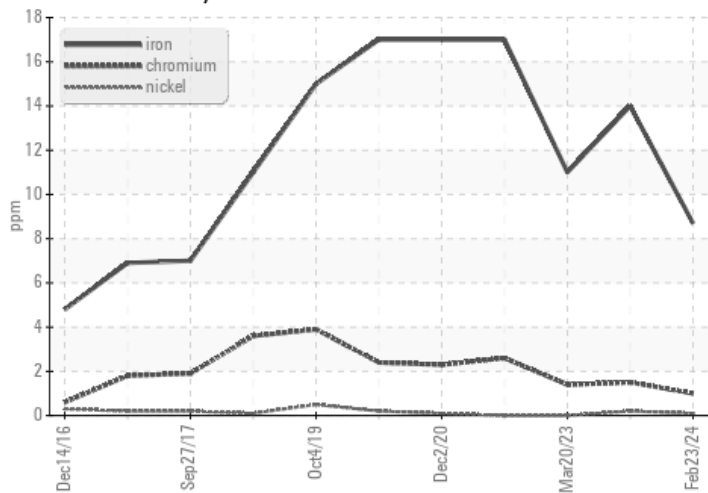
Calcium	ppm	128	142	144	179
Magnesium	ppm	2	3	2	3
Zinc	ppm	822	806	776	719
Phosphorus	ppm	664	627	677	648
Barium	ppm	0	<1	0	0
Boron	ppm	<1	<1	<1	<1

Depot: RIDOTT
 Unique No: 5735529
 Signed: Wes Davis
 Report Date: 28 Feb 2024

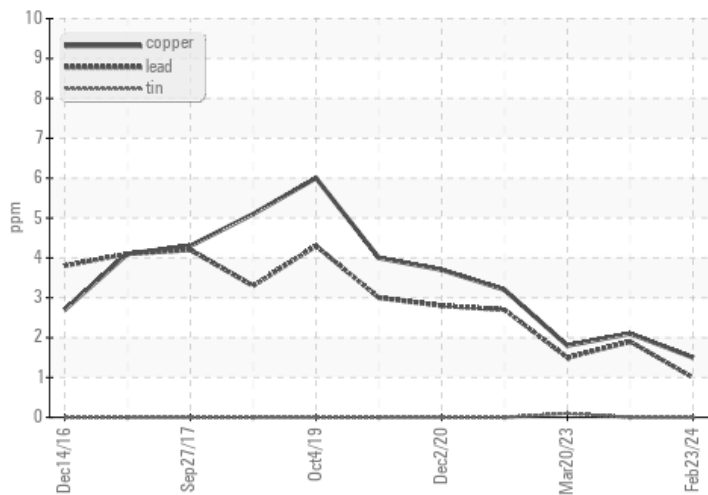


GRAPHS

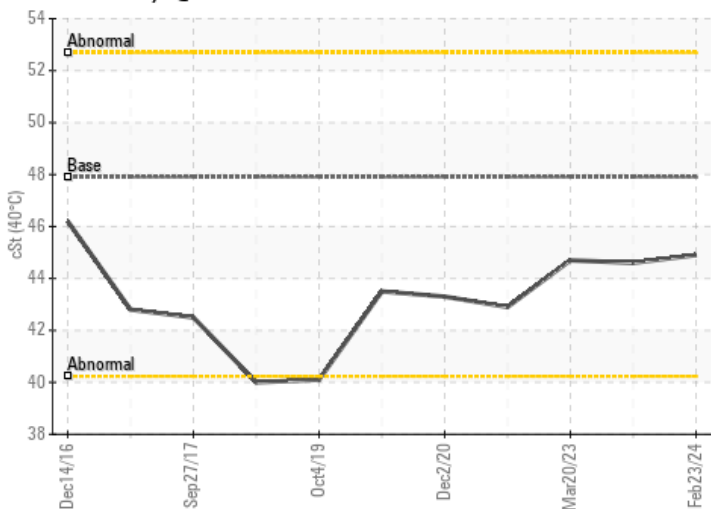
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

