

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 045906-1484 - Hydraulic System

Sample No: LH0280947

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Sample Information

Sample Number	LH0280947	LH0287996	LH0241997	LH0250544
Sample Date	03 Jun 2024	26 Mar 2024	23 Nov 2023	12 Sep 2023
Machine Hours	13142	15268	14615	14240
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

ECOWASTE INDUSTRIES LTD.
 15111 WILLIAMS ROAD
 RICHMOND, BC
 CA V6W 1G9
 Contact: Service Manager



Oil Condition

Visc @ 40°C	cSt	43.7	43.4	43.4	43.1

T: (604)277-1410
 F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		14054	6735	3669	17204
Particles >6µm		4297	1195	264	4271
Particles >14µm		320	119	15	215
ISO 4406:1999 (c)		21/19/15	20/17/14	19/15/11	21/19/15
Silicon	ppm	0	<1	1	2
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	0	<1	<1	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	11	15	13	16
Copper	ppm	2	2	2	3
Lead	ppm	<1	1	2	3
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	9	15	12	14
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



Additives

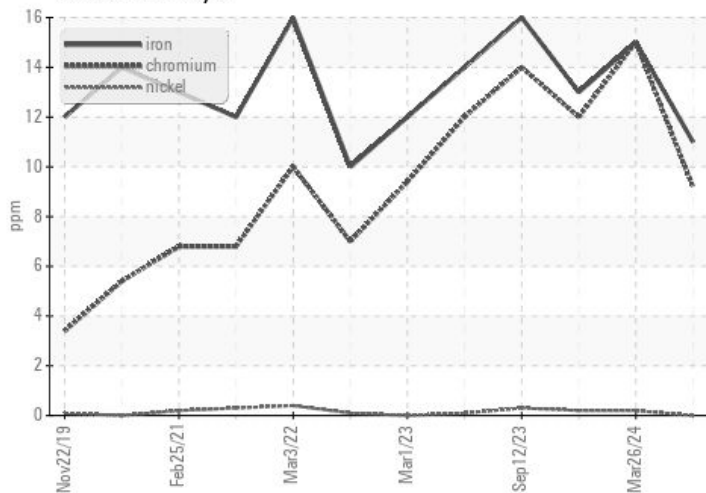
Calcium	ppm	94	92	89	88
Magnesium	ppm	5	8	8	5
Zinc	ppm	642	507	506	453
Phosphorus	ppm	498	412	412	400
Barium	ppm	0	0	<1	0
Boron	ppm	<1	<1	1	<1

Depot: ECORIC
 Unique No: 5798979
 Signed: Kevin Marson
 Report Date: 13 Jun 2024

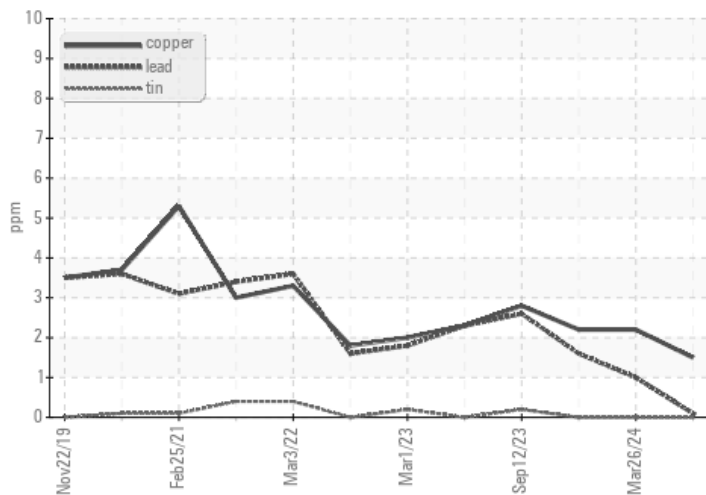


Graphs

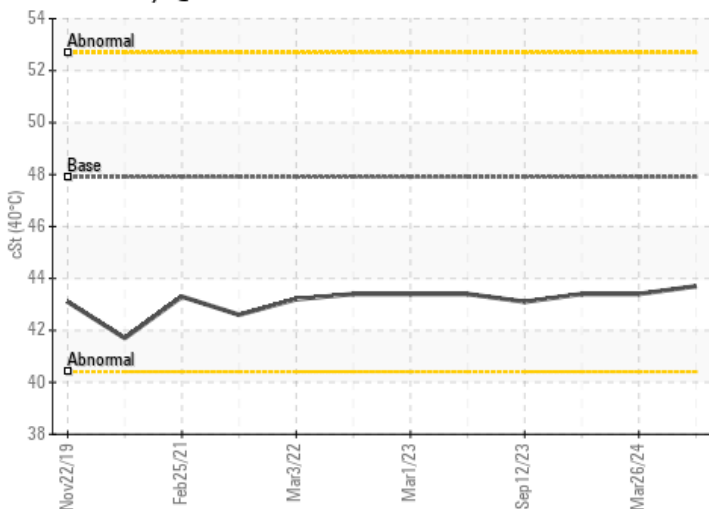
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

