

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R926LC 039817-1320 - Hydraulic System

Sample No: LH0288058

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Sample Information

Sample Number	LH0288058	LH0284057	LH0242056	LH0260611
Sample Date	01 May 2024	30 Jan 2024	17 Oct 2023	22 Jun 2023
Machine Hours	8532	8073	7591	7026
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ECOWASTE INDUSTRIES

4 SPRUCE ST
NEW WESTMINSTER, BC
CA V3L 5G6

Contact: Service Manager



Oil Condition

Visc @ 40°C	cSt	42.7	41.4	41.6	41.8

T:

F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		3230	903	389	1578
Particles >6µm		615	242	72	445
Particles >14µm		33	30	8	49
ISO 4406:1999 (c)		19/16/12	17/15/12	16/13/10	18/16/13
Silicon	ppm	1	4	4	5
Sodium	ppm	3	5	6	5
Potassium	ppm	<1	2	<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	19	23	19	15
Copper	ppm	6	8	9	10
Lead	ppm	0	<1	<1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	2	2	2	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	181	241	268	321
Magnesium	ppm	2	3	3	4
Zinc	ppm	750	674	698	766
Phosphorus	ppm	592	555	538	630
Barium	ppm	0	0	<1	0
Boron	ppm	<1	<1	<1	<1

Depot: ECONEW

Unique No: 5774041

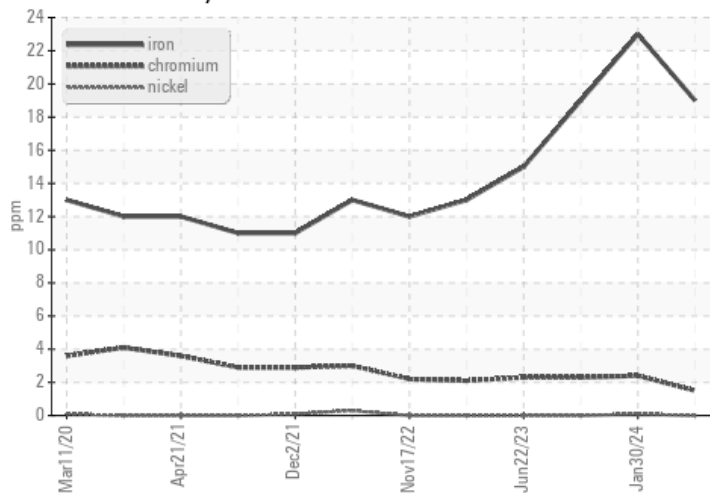
Signed: Kevin Marson

Report Date: 03 May 2024

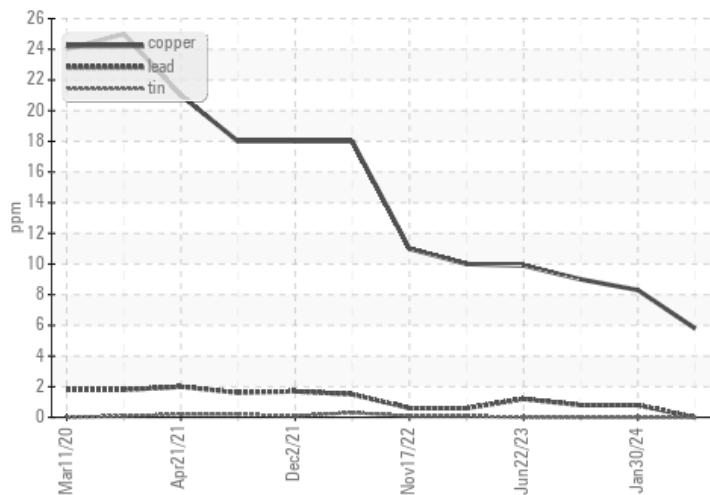


Graphs

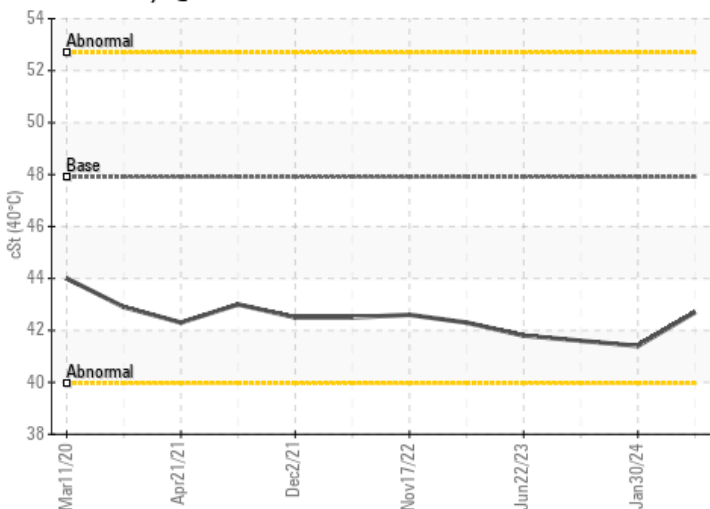
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

