

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R924 38847 - Hydraulic System

Sample No: LH028096

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH028096	LH0226719	LH0206412	---
Sample Date	18 Jan 2024	25 May 2022	01 Oct 2021	---
Machine Hours	10972	8011	6472	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	ABNORMAL	ATTENTION	---

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



OIL CONDITION

Visc @ 40°C	cSt	44.1	41.5	42.3	---
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T: (604)277-1410
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		9203	51628	31199	---
Particles >6µm		2409	2156	3480	---
Particles >14µm		169	34	99	---
ISO 4406:1999 (c)		20/18/15	23/18/12	22/19/14	---
Silicon	ppm	1	4	2	---
Sodium	ppm	<1	3	2	---
Potassium	ppm	<1	2	<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	7	37	18	---
Copper	ppm	2	8	4	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	<1	2	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

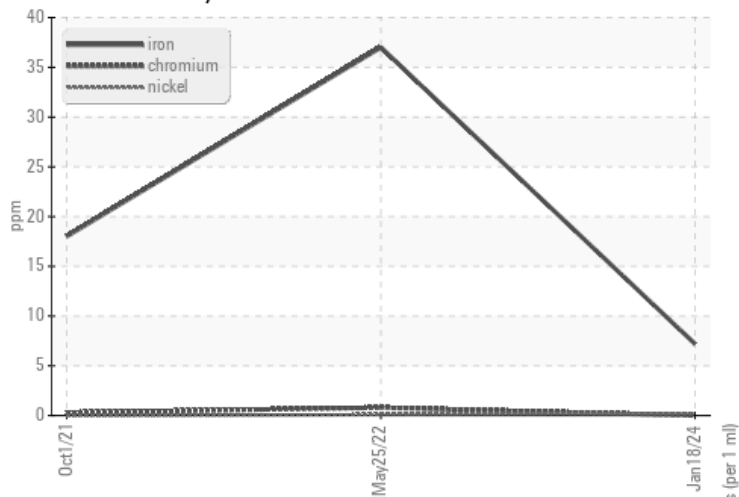
Calcium	ppm	100	169	190	---
Magnesium	ppm	<1	4	3	---
Zinc	ppm	833	737	786	---
Phosphorus	ppm	656	626	652	---
Barium	ppm	0	<1	0	---
Boron	ppm	<1	3	4	---

Depot: ECORIC
 Unique No: 5720017
 Signed: Wes Davis
 Report Date: 25 Jan 2024

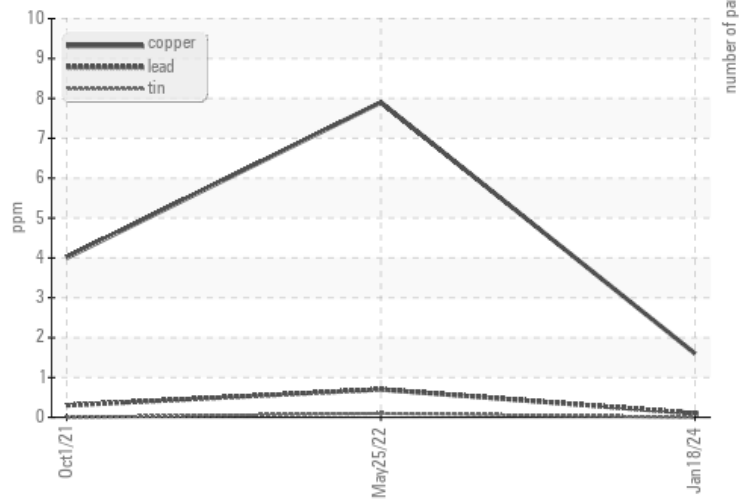


GRAPHS

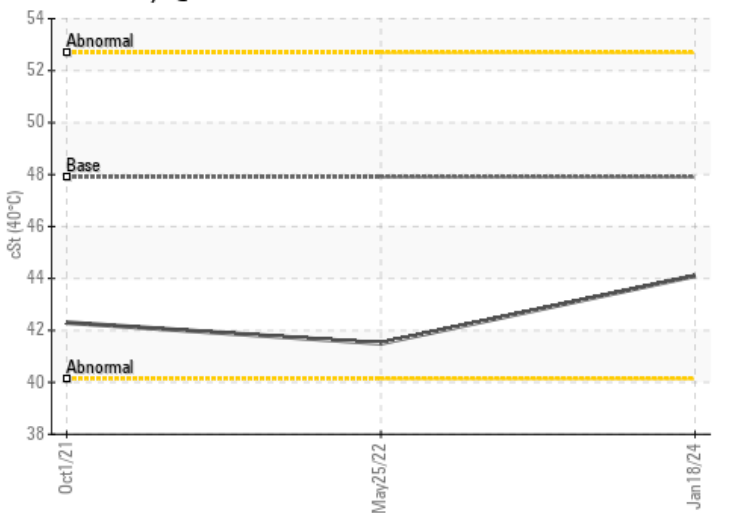
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

