

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 066100-1758 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



Sample Information

Sample Number	LH	---	---	---
Sample Date	04 Apr 2024	---	---	---
Machine Hours	4020	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

LAVINGTON PELLET LTD
 9900 SCHOOL ROAD
 COLDSTREAM, BC
 CA V1B 3C7
 Contact: Service Manager



Oil Condition

Visc @ 40°C	cSt	37.8	---	---	---
-------------	-----	------	-----	-----	-----

T:
F:



Contamination

Water	%	NEG	---	---	---
Particles >4µm		71684	---	---	---
Particles >6µm		8304	---	---	---
Particles >14µm		163	---	---	---
ISO 4406:1999 (c)		23/20/15	---	---	---
Silicon	ppm	14	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	4	---	---	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Viscosity of sample indicates oil is within SAE 10W range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



Wear Metals

PQ		0	---	---	---
Iron	ppm	23	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	5	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	8	---	---	---
Chromium	ppm	7	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

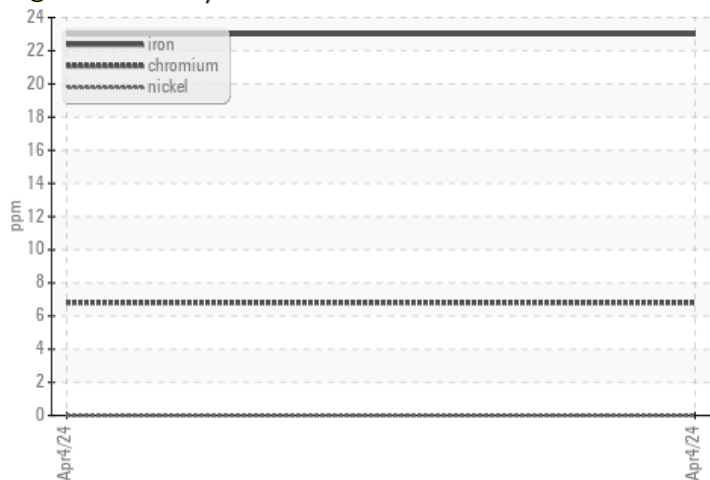
Calcium	ppm	801	---	---	---
Magnesium	ppm	6	---	---	---
Zinc	ppm	580	---	---	---
Phosphorus	ppm	480	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	2	---	---	---

Depot: LAVCOL
Unique No: 5761597
Signed: Kevin Marson
Report Date: 15 Apr 2024

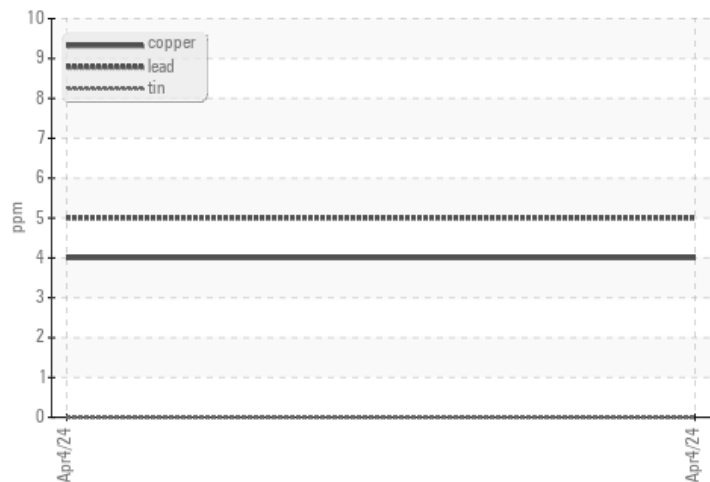


Graphs

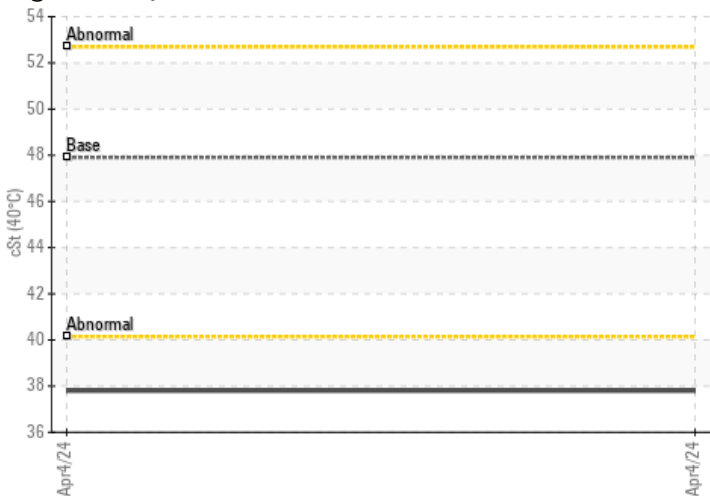
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

