



CONSTRUCTION EQUIPMENT

371477 VOLVO L150H 4241 - HYDRAULIC SYSTEM



Sample No: VCP392159
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 371477



SAMPLE INFORMATION

Sample Number	VCP392159	VCP273696	---	---
Sample Date	07 Jul 2023	01 Jun 2021	---	---
Machine Hours	11992	9861	---	---
Oil Hours	2000	10	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	SEVERE	---	---

Strongco Equipment
 5179 Fountain St N.
 Breslau, ON
 CA N0B 1M0
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OIL CONDITION

Visc @ 40°C	cSt	39.4	42.6	---	---
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CONTAMINATION

Particles >4µm		2455	89335	---	---
Particles >6µm		497	27218	---	---
Particles >14µm		40	2407	---	---
ISO 4406:1999 (c)		18/16/12	24/22/18	---	---
Silicon	ppm	3	2	---	---
Sodium	ppm	4	3	---	---
Potassium	ppm	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	5	2	---	---
Copper	ppm	2	<1	---	---
Lead	ppm	2	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	2	0	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	61	50	---	---
Magnesium	ppm	4	2	---	---
Zinc	ppm	423	440	---	---
Phosphorus	ppm	361	330	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	2	<1	---	---

Depot: CASKIT
Unique No: 5616305
Signed: Wes Davis
Report Date: 21 Jul 2023

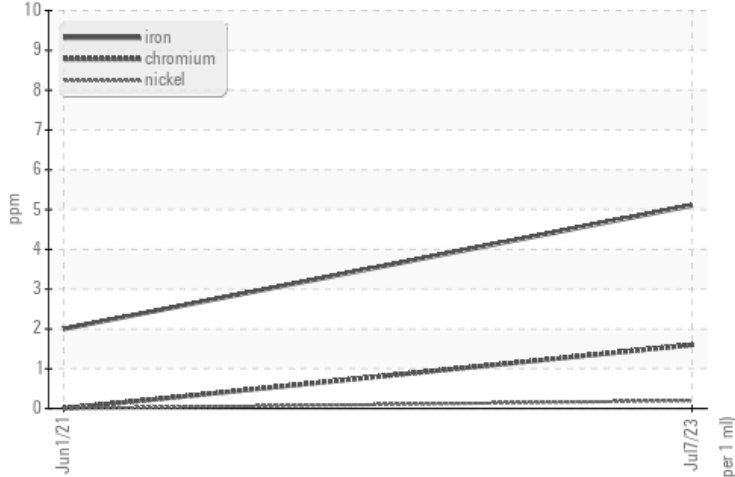


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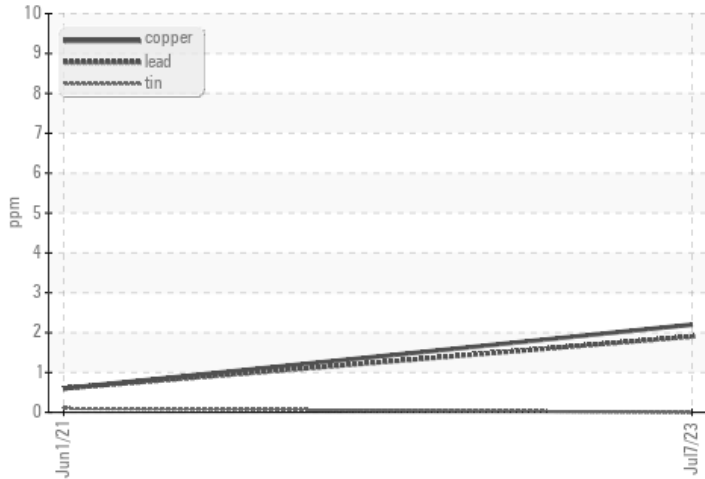


GRAPHS

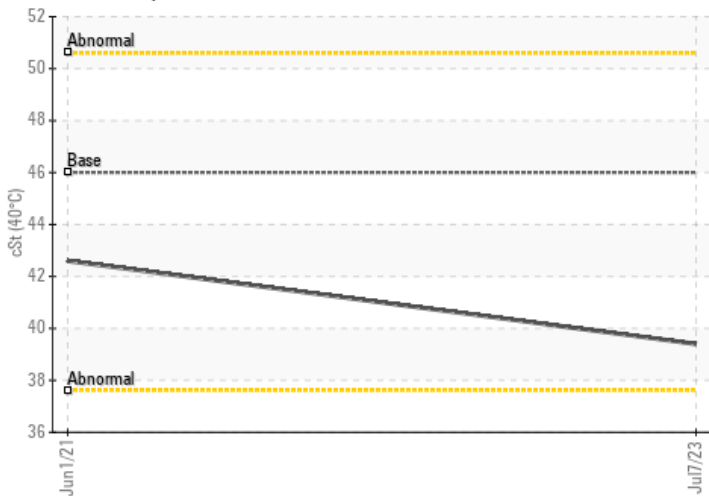
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

