



CONSTRUCTION EQUIPMENT

REGION OF WATERLOO 397031

VOLVO L150H 6830 - HYDRAULIC SYSTEM



Sample No: VCP392807
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 397031



SAMPLE INFORMATION

Sample Number	VCP392807	VCP333751	VCP299250	---
Sample Date	05 Mar 2024	15 Jul 2022	07 Jun 2021	---
Machine Hours	6000	3955	2401	---
Oil Hours	2000	4000	2000	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	ABNORMAL	ABNORMAL	---



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OIL CONDITION

Visc @ 40°C	cSt	40.0	35.1	36.5	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		615	4891	3694	---
Particles >6µm		110	1682	744	---
Particles >14µm		7	237	42	---
ISO 4406:1999 (c)		16/14/10	19/18/15	19/17/13	---
Silicon	ppm	1	3	3	---
Sodium	ppm	3	4	2	---
Potassium	ppm	1	1	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	4	6	4	---
Copper	ppm	2	5	6	---
Lead	ppm	<1	2	2	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	2	3	2	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	54	52	47	---
Magnesium	ppm	2	5	3	---
Zinc	ppm	415	393	415	---
Phosphorus	ppm	328	326	328	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	<1	<1	---

Depot: CASKIT
Unique No: 5749466
Signed: Wes Davis
Report Date: 26 Mar 2024

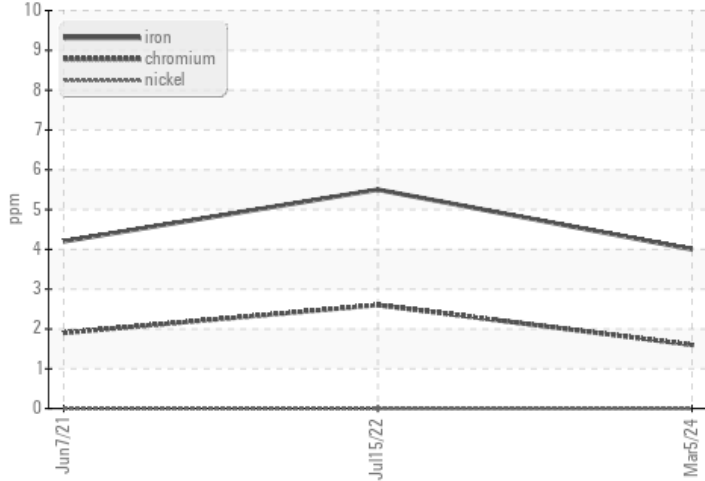


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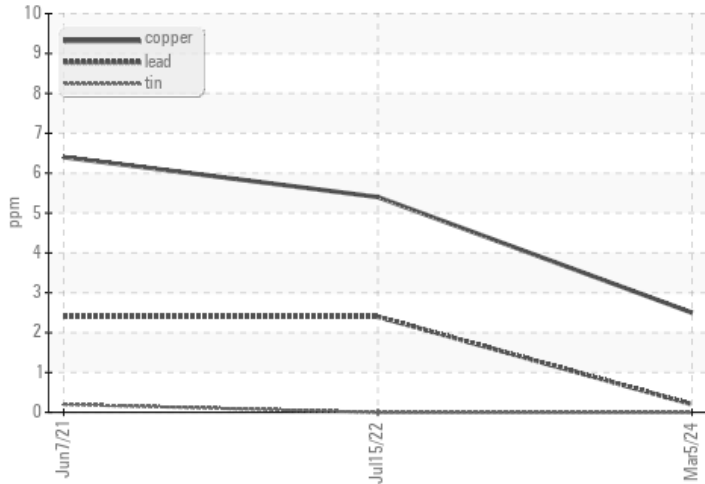


GRAPHS

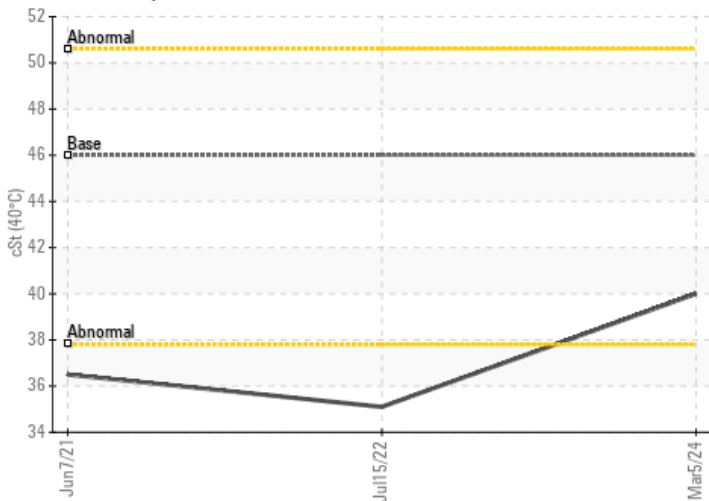
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

