



CONSTRUCTION EQUIPMENT

19124 KOPPERS VOLVO L150H 6856 - HYDRAULIC SYSTEM



Sample No: VCP426489
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19124 KOPPERS



SAMPLE INFORMATION

Sample Number	VCP426489	VCP421454	VCP298861	---
Sample Date	13 Jul 2023	03 May 2023	11 Aug 2021	---
Machine Hours	6021	5629	2042	---
Oil Hours	0	1635	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.0	42.6	42.5	---
Acid Number (AN)	mg KOH/g	0.31	0.36	0.442	---



CONTAMINATION

Particles >4µm		1647	3132	1020	---
Particles >6µm		354	899	220	---
Particles >14µm		30	90	15	---
ISO 4406:1999 (c)		18/16/12	19/17/14	17/15/11	---
Silicon	ppm	2	1	2	---
Sodium	ppm	<1	1	<1	---
Potassium	ppm	1	0	0	---

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	8	8	<1	---
Copper	ppm	4	4	2	---
Lead	ppm	1	<1	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	0	3	0	---
Chromium	ppm	2	1	0	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	44	45	40	---
Magnesium	ppm	<1	1	0	---
Zinc	ppm	416	430	375	---
Phosphorus	ppm	325	350	292	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO8769
Unique No: 10587193
Signed: Wes Davis
Report Date: 04 Aug 2023

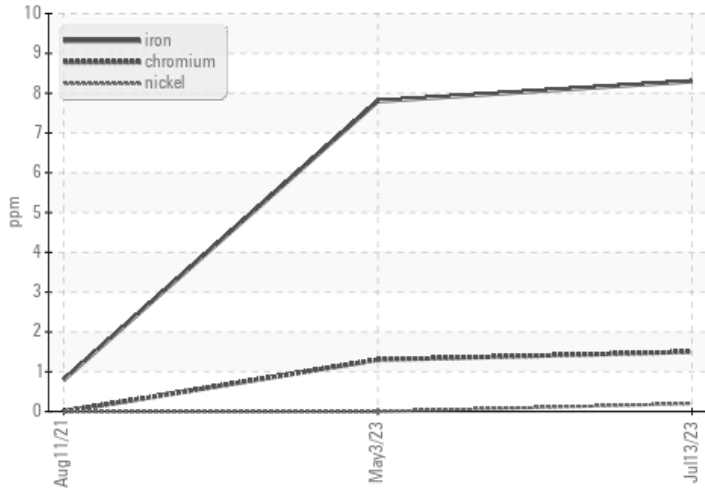


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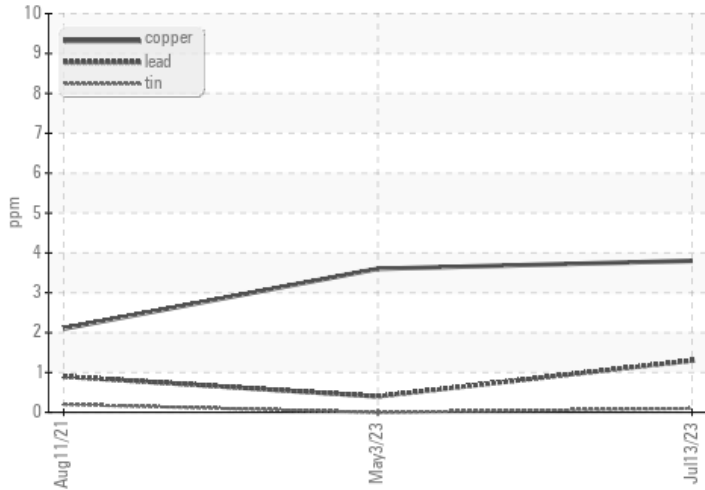


GRAPHS

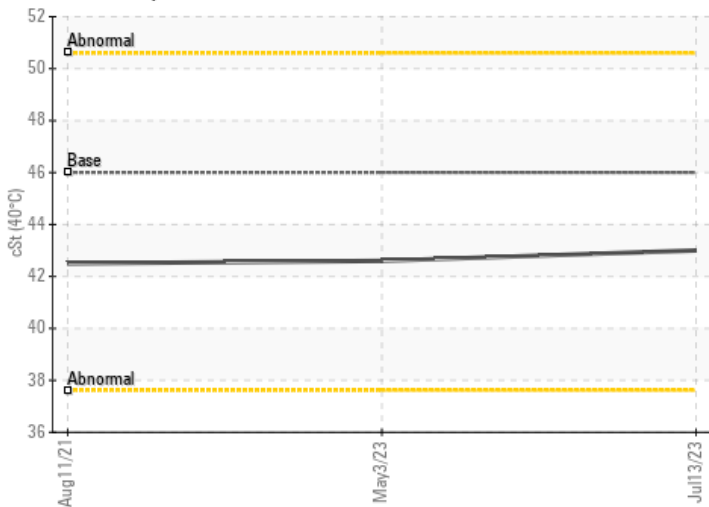
Ferrous Alloys



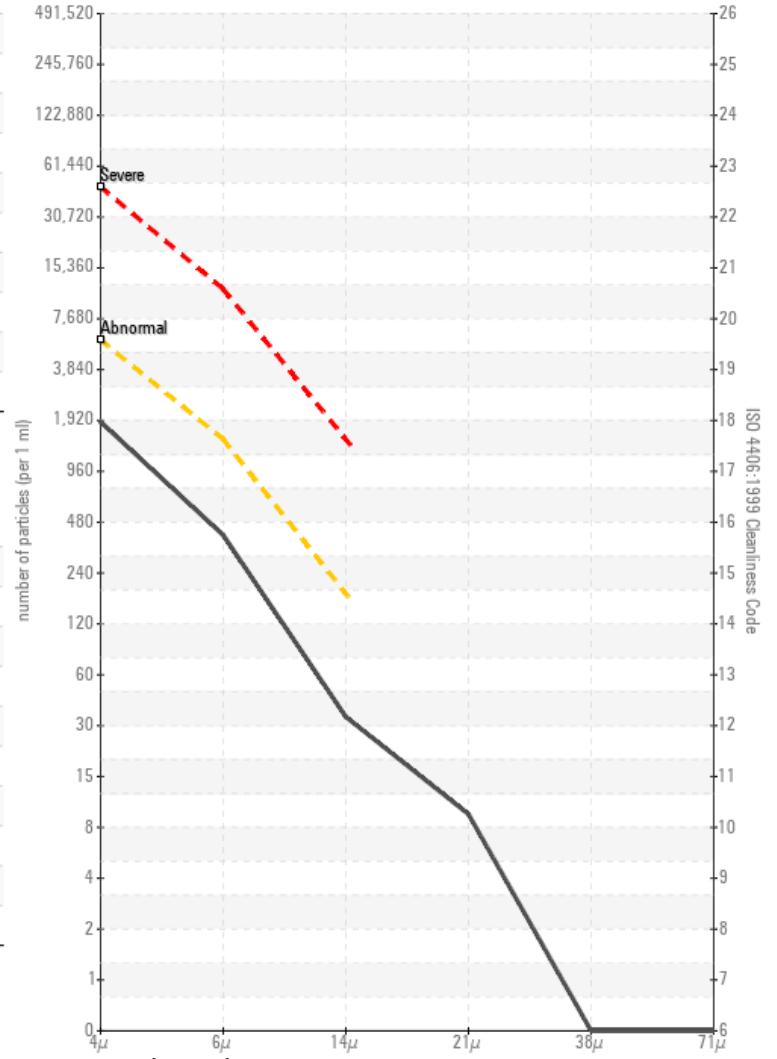
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

