



CONSTRUCTION EQUIPMENT

660726 CITY OF LAKEL VOLVO L60H 62234 - HYDRAULIC SYSTEM



Sample No: VCP452438
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 660726 CITY OF LAKEL



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SAMPLE INFORMATION

Sample Number	VCP452438	VCP348899	---	---
Sample Date	22 Jan 2024	10 Feb 2022	---	---
Machine Hours	1986	1180	---	---
Oil Hours	1986	1180	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 43.1	█ 43.6	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	█ 0.37	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 6061	█ 6949	---	---
Particles >6µm		█ 939	█ 1048	---	---
Particles >14µm		█ 62	█ 54	---	---
ISO 4406:1999 (c)		20/17/13	20/17/13	---	---
Silicon	ppm	█ 4	█ 4	---	---
Sodium	ppm	█ 3	█ <1	---	---
Potassium	ppm	█ 2	█ 0	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 96	█ 95	---	---
Magnesium	ppm	█ 7	█ 6	---	---
Zinc	ppm	█ 454	█ 464	---	---
Phosphorus	ppm	█ 354	█ 375	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 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.

Depot: VOLVO0093
Unique No: 10886443
Signed: Wes Davis
Report Date: 20 Feb 2024



CONSTRUCTION EQUIPMENT

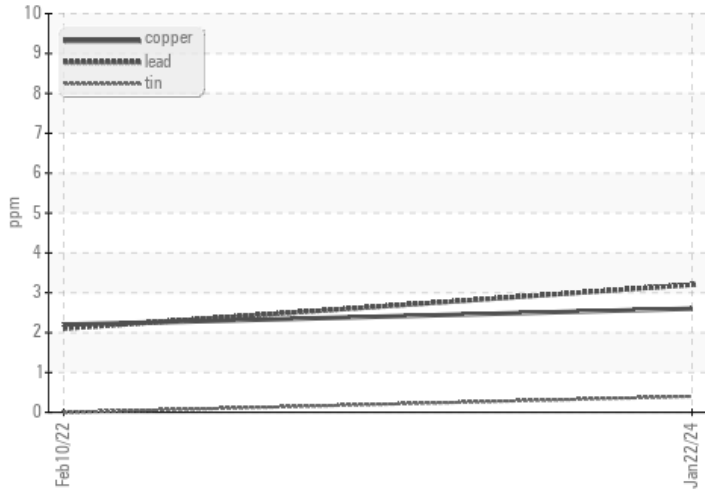


VOLVO GRAPHS

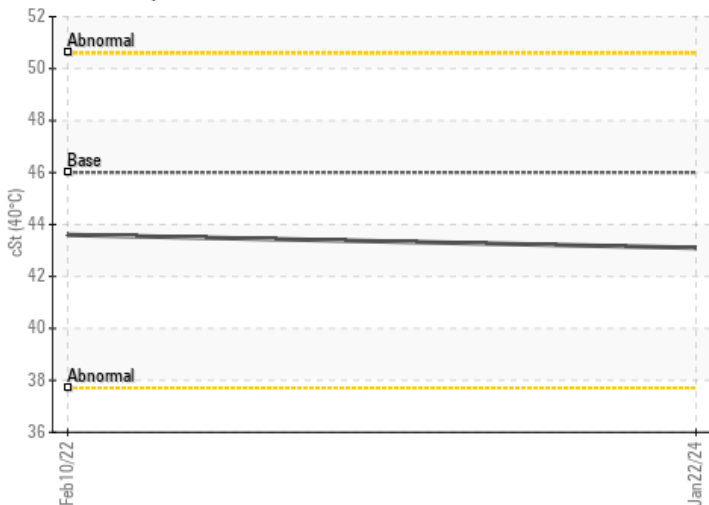
Ferrous Alloys



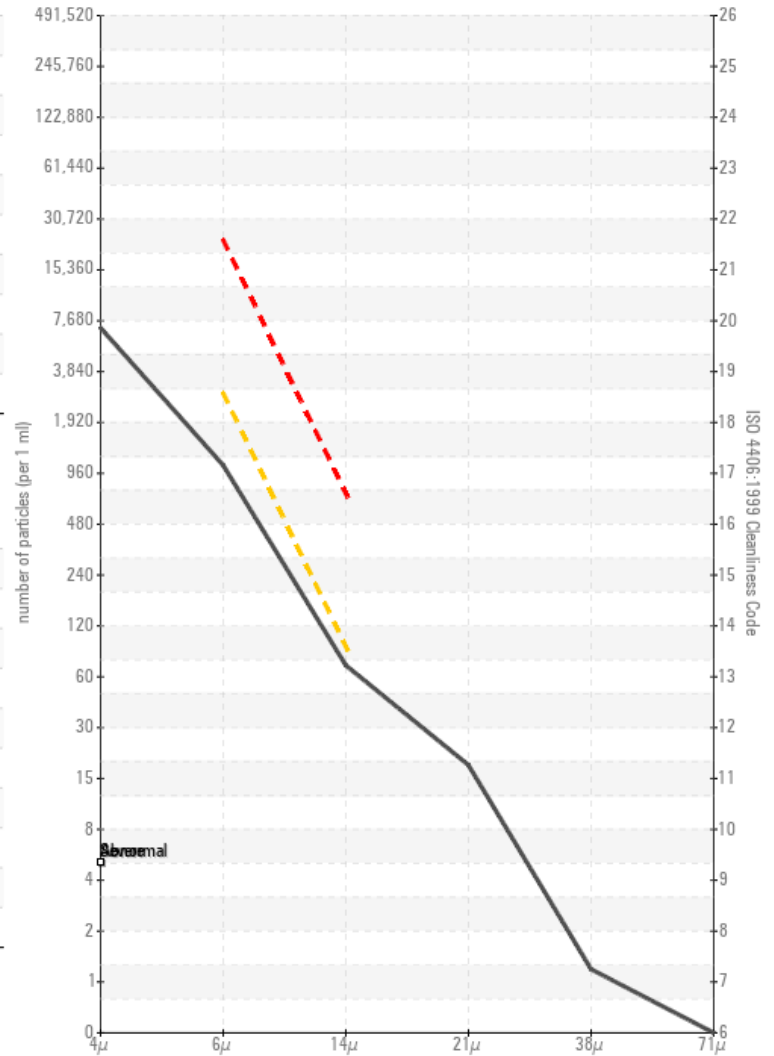
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

