



CONSTRUCTION EQUIPMENT

VOLVO A45G 752258 - HYDRAULIC SYSTEM



Sample No: VCP371025
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP371025	---	---	---
Sample Date	09 Apr 2024	---	---	---
Machine Hours	141	---	---	---
Oil Hours	141	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

THE GW VAN KEPPEL CO MAIN
 1801 NORTH 9TH STREET
 KANSAS CITY, KS
 US 66101
 Contact: BRIAN LODERHOSE
 bloderhose@vankeppel.com
 T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 47.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.48	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 227	---	---	---
Particles >6µm		█ 47	---	---	---
Particles >14µm		█ 0	---	---	---
ISO 4406:1999 (c)		15/13/7	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 53	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 445	---	---	---
Phosphorus	ppm	█ 336	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLV00111
Unique No: 11016509
Signed: Wes Davis
Report Date: 07 May 2024

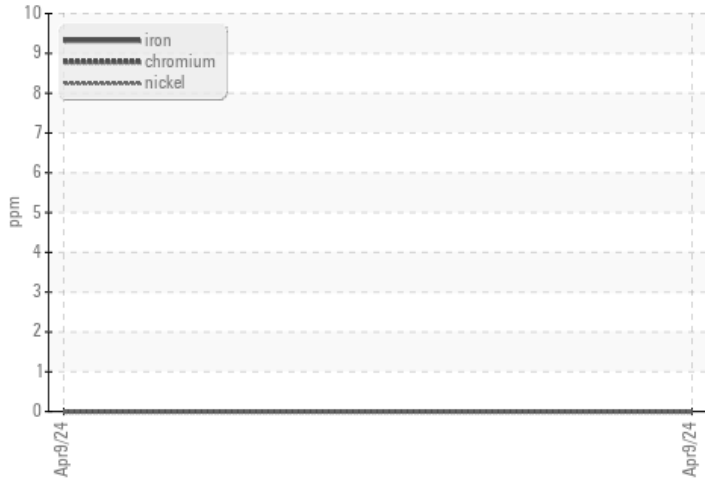


CONSTRUCTION EQUIPMENT

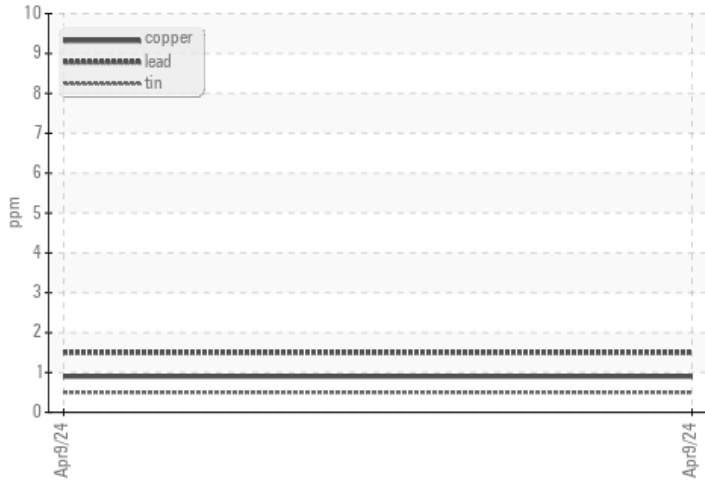


VOLVO GRAPHS

Ferrous Alloys



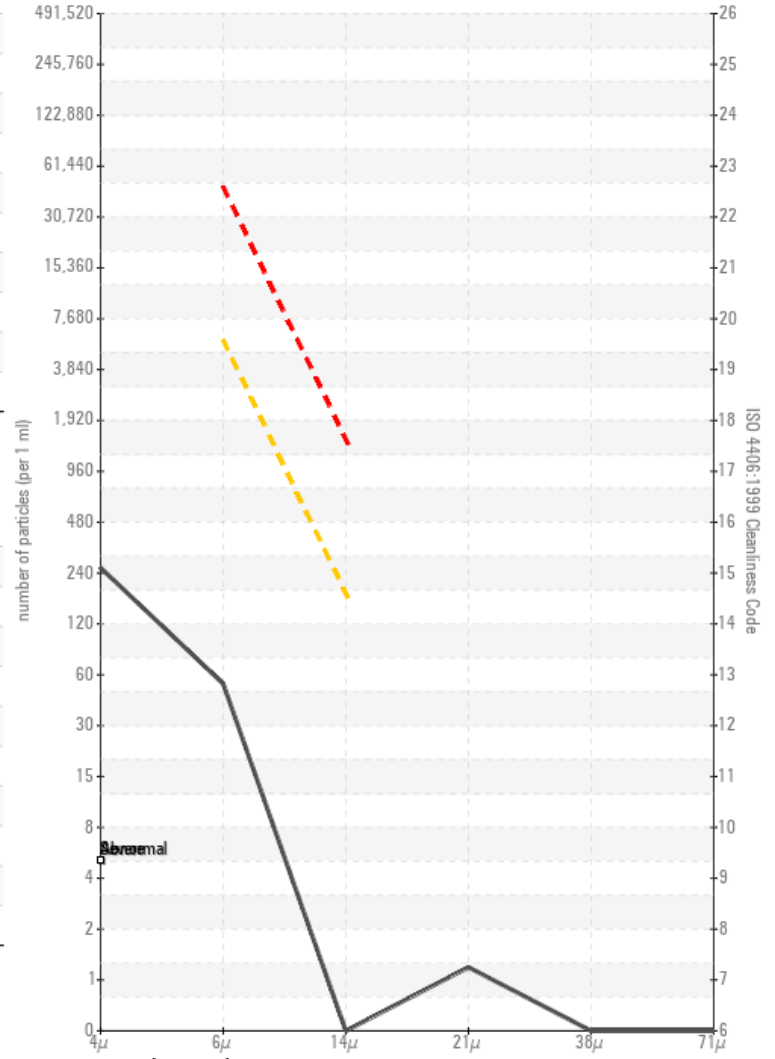
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

