



CONSTRUCTION EQUIPMENT

549387 WM VOLVO L90H 626204 - HYDRAULIC SYSTEM



Sample No: VCP430340
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 549387 WM



SAMPLE INFORMATION

Sample Number	VCP430340	---	---	---
Sample Date	07 May 2024	---	---	---
Machine Hours	1435	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	█ 42.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.28	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 2764	---	---	---
Particles >6µm		█ 68	---	---	---
Particles >14µm		█ 3	---	---	---
ISO 4406:1999 (c)		19/13/9	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 79	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 453	---	---	---
Phosphorus	ppm	█ 358	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLV00142
Unique No: 11019886
Signed: Wes Davis
Report Date: 16 May 2024

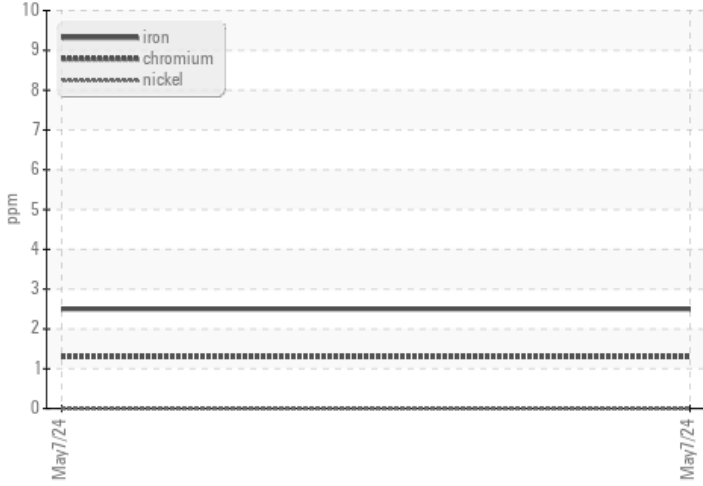


CONSTRUCTION EQUIPMENT

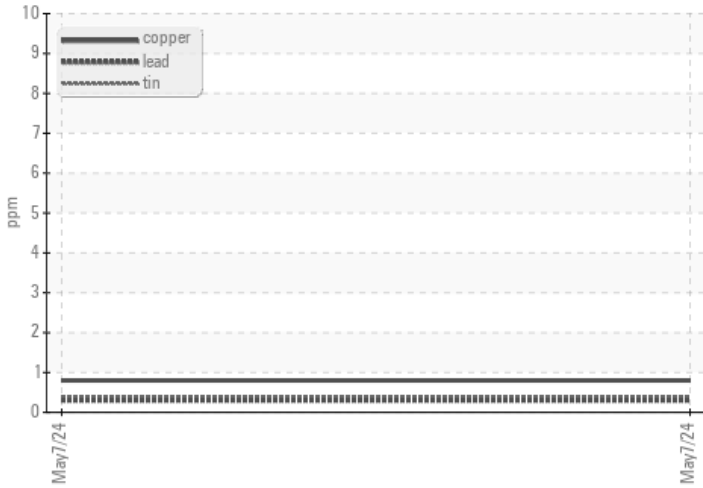


VOLVO GRAPHS

Ferrous Alloys



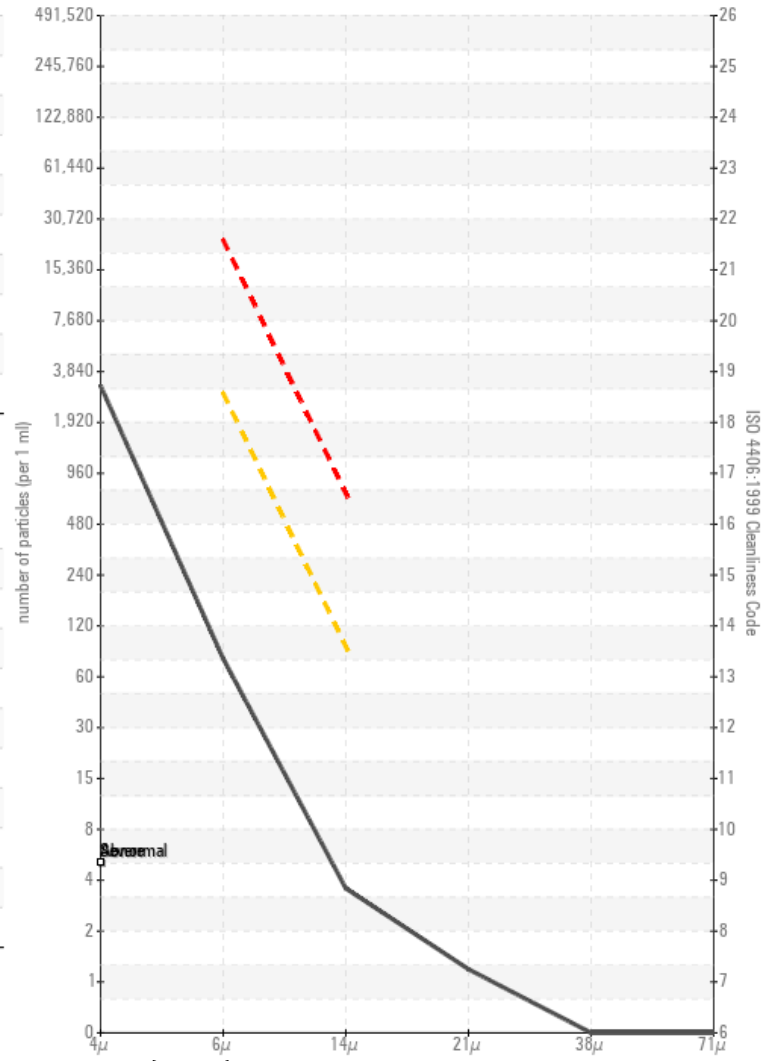
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

