



CONSTRUCTION EQUIPMENT

14889 RYAN VOLVO A45G 752331 - HYDRAULIC SYSTEM



Sample No: VCP412042
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 14889 RYAN



MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KYLE RATLIFFE
KRATLIFFE@MCCLUNG-LOGAN.COM
T:
F: (804)266-1611



SAMPLE INFORMATION

Sample Number	VCP412042	---	---	---
Sample Date	09 May 2024	---	---	---
Machine Hours	87	---	---	---
Oil Hours	87	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 47.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.50	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 1467	---	---	---
Particles >6µm		█ 220	---	---	---
Particles >14µm		█ 19	---	---	---
ISO 4406:1999 (c)		18/15/11	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 52	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 426	---	---	---
Phosphorus	ppm	█ 344	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO8882
Unique No: 11029980
Signed: Don Baldrige
Report Date: 16 May 2024

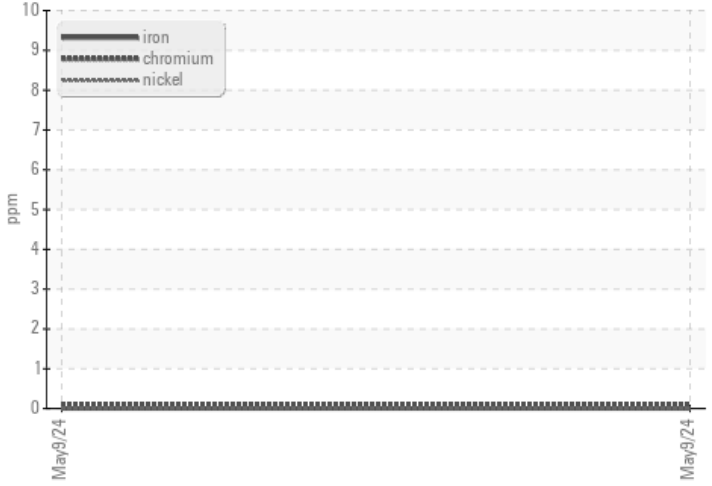


CONSTRUCTION EQUIPMENT

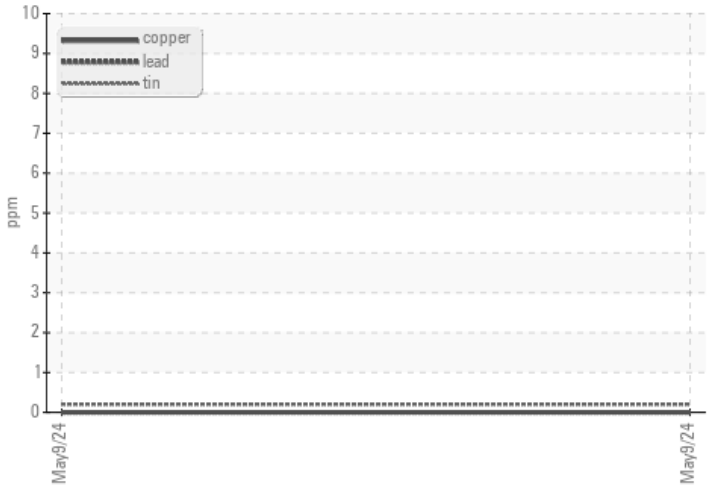


GRAPHS

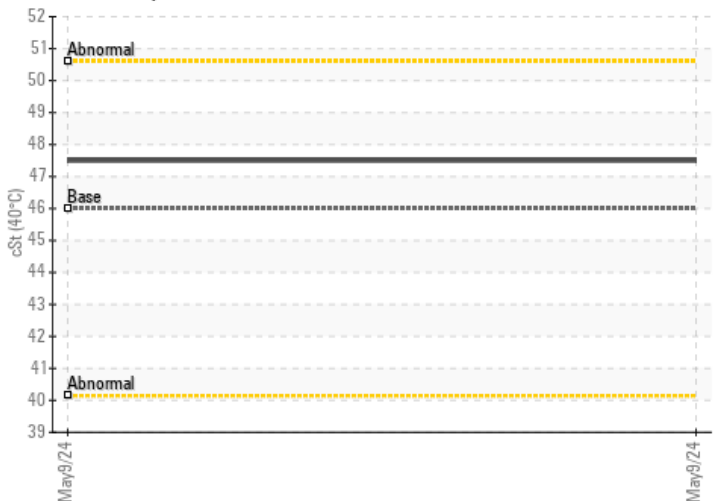
Ferrous Alloys



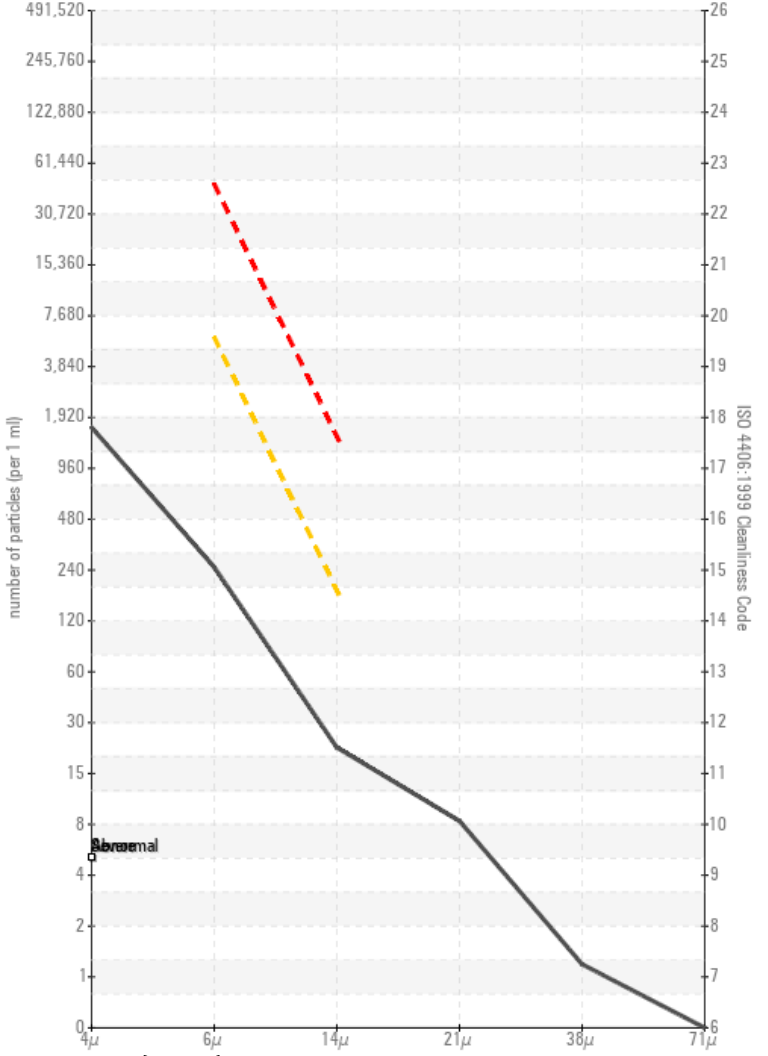
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

