



CONSTRUCTION EQUIPMENT

SWA287923 RYAN INC VOLVO A45 342656 - HYDRAULIC SYSTEM



Sample No: VCP413161
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA287923 RYAN INC



SAMPLE INFORMATION

Sample Number	VCP413161	---	---	---
Sample Date	25 Jul 2023	---	---	---
Machine Hours	4708	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 44.0	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.42	---	---	---



CONTAMINATION

Particles >4µm		▲ 5338	---	---	---
Particles >6µm		■ 1189	---	---	---
Particles >14µm		■ 84	---	---	---
ISO 4406:1999 (c)		20/17/14	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	■ 11	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 243	---	---	---
Magnesium	ppm	■ 8	---	---	---
Zinc	ppm	■ 504	---	---	---
Phosphorus	ppm	■ 400	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 2	---	---	---

Depot: VOLVO0095
Unique No: 10577667
Signed: Wes Davis
Report Date: 01 Aug 2023

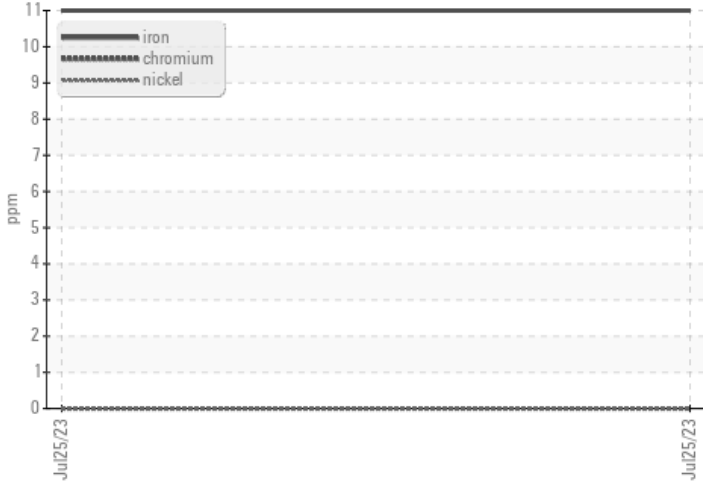


CONSTRUCTION EQUIPMENT

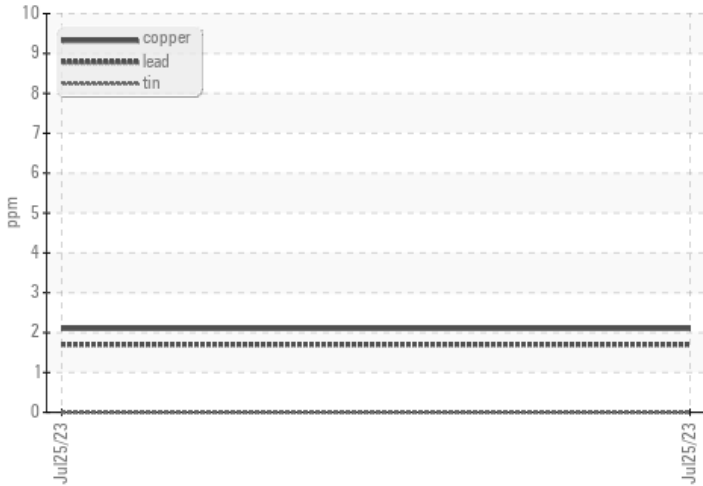


GRAPHS

Ferrous Alloys



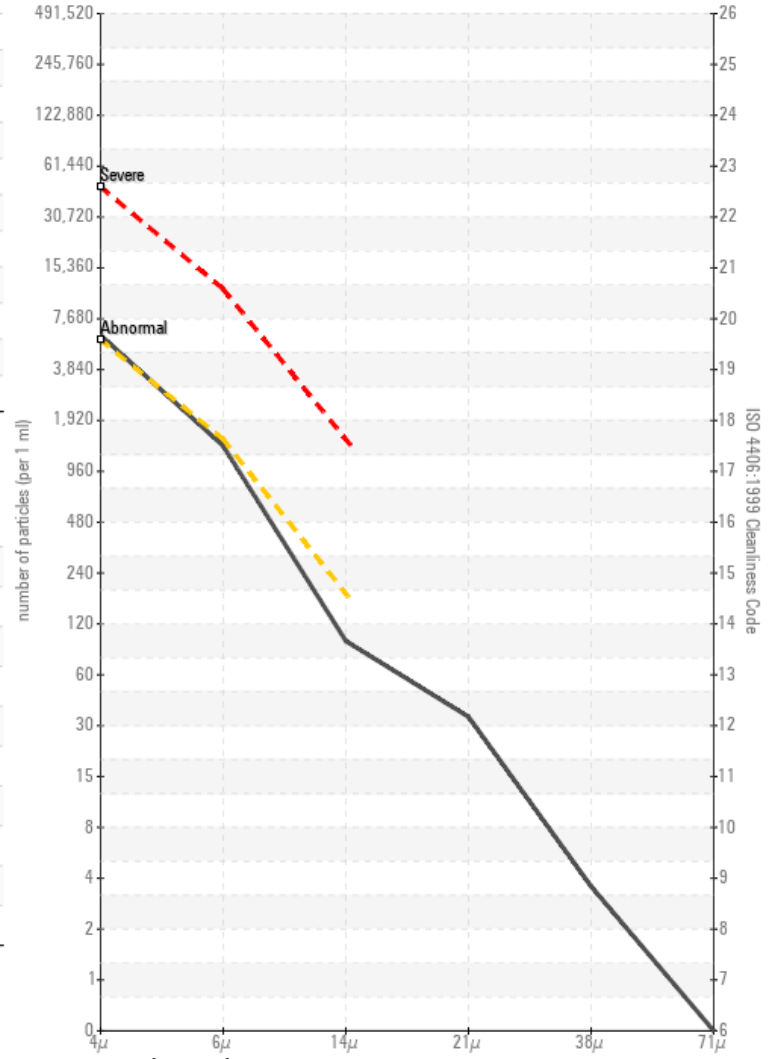
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

