



CONSTRUCTION EQUIPMENT

368282 HIBBITS TAKEUCHI TL12V2 412000258 - HYDRAULIC SYSTEM



Sample No: VCP424427
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 368282 HIBBITS



SAMPLE INFORMATION

Sample Number	VCP424427	---	---	---
Sample Date	26 Sep 2023	---	---	---
Machine Hours	3616	---	---	---
Oil Hours	600	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 60.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.90	---	---	---



CONTAMINATION

Particles >4µm		█ 4357	---	---	---
Particles >6µm		█ 704	---	---	---
Particles >14µm		█ 35	---	---	---
ISO 4406:1999 (c)		19/17/12	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---

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.



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 24	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 1619	---	---	---
Magnesium	ppm	█ 266	---	---	---
Zinc	ppm	█ 833	---	---	---
Phosphorus	ppm	█ 699	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 49	---	---	---

Depot: VOLVO0093
Unique No: 10709068
Signed: Don Baldrige
Report Date: 25 Oct 2023

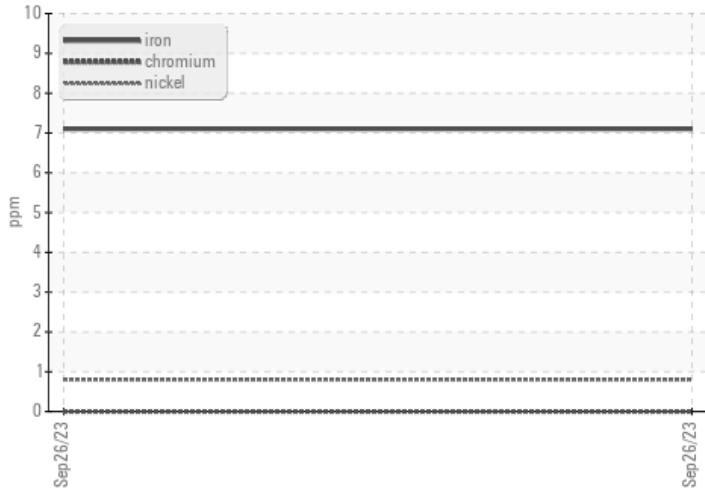


CONSTRUCTION EQUIPMENT

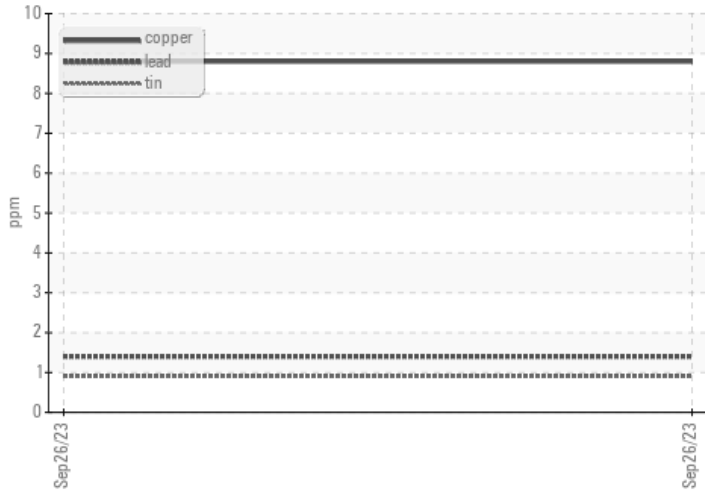


GRAPHS

Ferrous Alloys



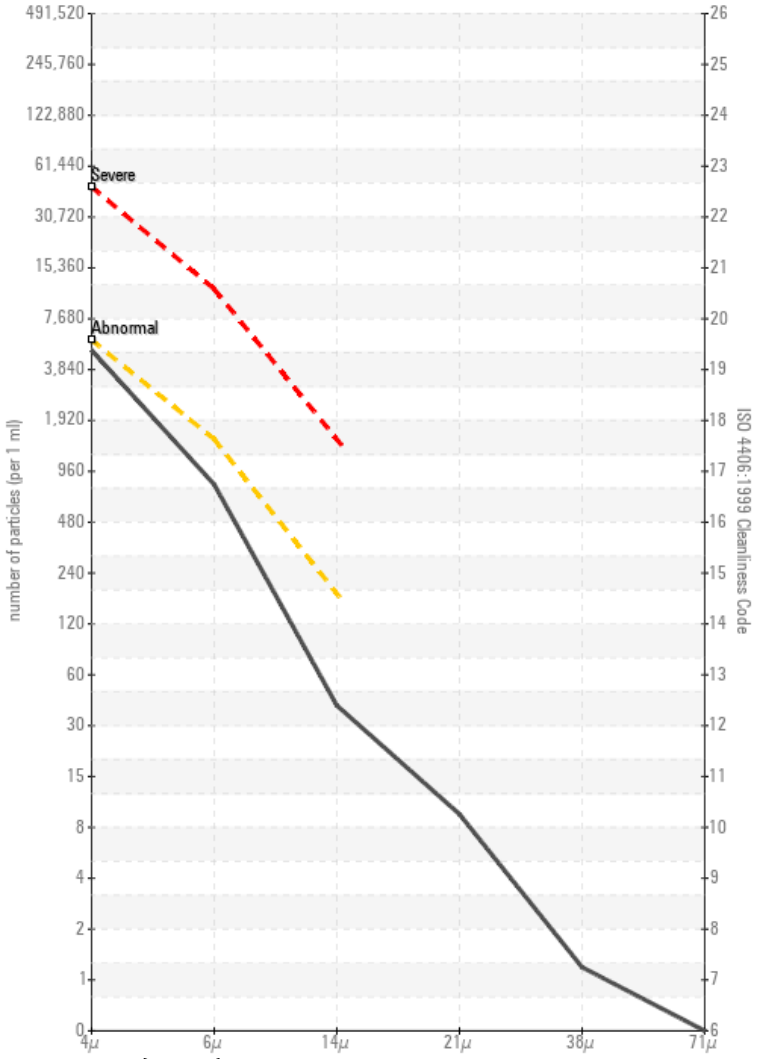
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

