



CONSTRUCTION EQUIPMENT

9392 TITIAN VOLVO A30G 740290 - HYDRAULIC SYSTEM



Sample No: VCP424591
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 9392 TITIAN



SAMPLE INFORMATION

Sample Number	VCP424591	VCP265451	---	---
Sample Date	02 Aug 2023	16 Dec 2019	---	---
Machine Hours	8505	3835	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 41.5	█ 44.4	---	---
Acid Number (AN)	mg KOH/g	█ 0.32	█ 0.500	---	---



CONTAMINATION

Particles >4µm		4764	9537	---	---
Particles >6µm		█ 1527	█ 460	---	---
Particles >14µm		▲ 180	█ 7	---	---
ISO 4406:1999 (c)		19/18/15	20/16/10	---	---
Silicon	ppm	█ 6	█ 14	---	---
Sodium	ppm	█ 3	█ 2	---	---
Potassium	ppm	█ <1	█ 2	---	---

Diagnosis

We recommend you service the filters on this component. 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	█ 12	█ 17	---	---
Copper	ppm	█ 3	█ 8	---	---
Lead	ppm	█ 2	█ 6	---	---
Tin	ppm	█ 0	█ 3	---	---
Aluminum	ppm	█ 3	█ 5	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 88	█ 261	---	---
Magnesium	ppm	█ 0	█ 1	---	---
Zinc	ppm	█ 441	█ 473	---	---
Phosphorus	ppm	█ 330	█ 362	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ <1	---	---

Depot: VOLV00264
Unique No: 10615557
Signed: Wes Davis
Report Date: 22 Aug 2023

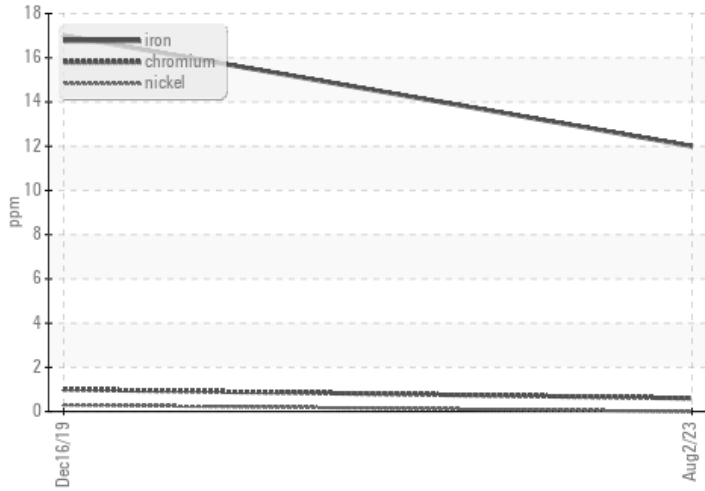


CONSTRUCTION EQUIPMENT

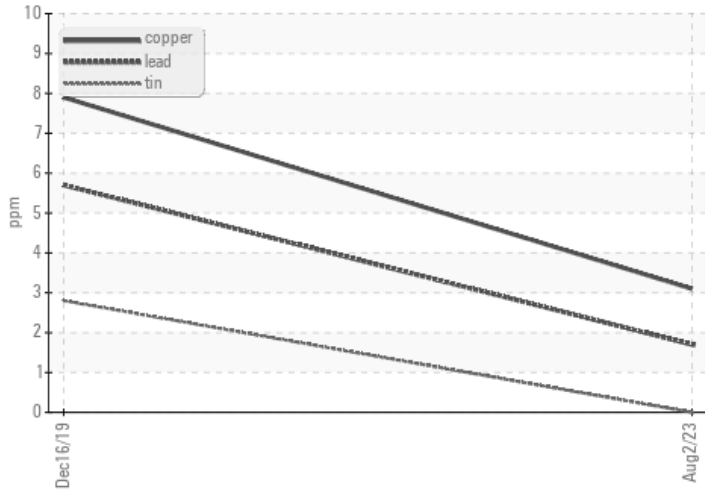


GRAPHS

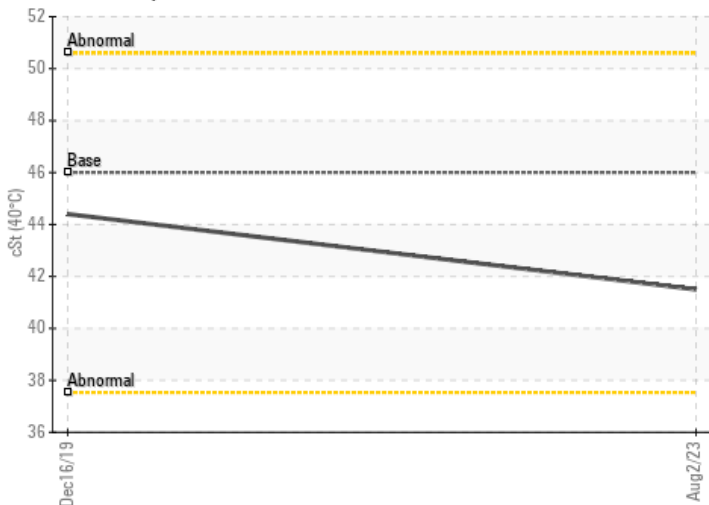
Ferrous Alloys



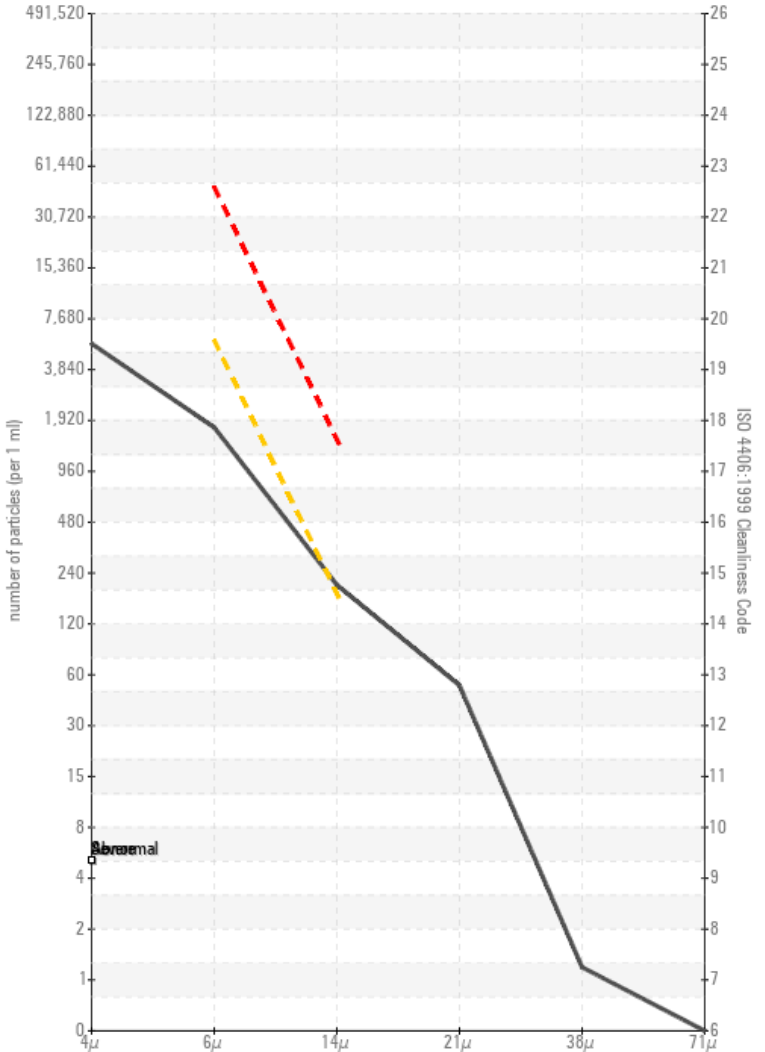
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

