



CONSTRUCTION EQUIPMENT

SWO-071298 TRIPLE R VOLVO A30G 742330 - HYDRAULIC SYSTEM



Sample No: VCP449754
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO-071298 TRIPLE R



SAMPLE INFORMATION

Sample Number	VCP449754	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	3480	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

COWIN EQUIPMENT COMPANY INC

1501 HWY 78 EAST
 OXFORD, AL
 US 36203

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OIL CONDITION

Visc @ 40°C	cSt	█ 45.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.28	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 5937	---	---	---
Particles >6µm		█ 1010	---	---	---
Particles >14µm		█ 43	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.
 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	█ 7	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

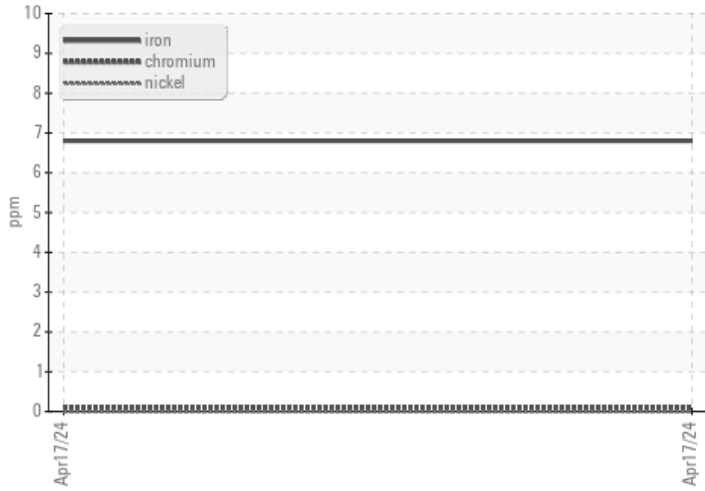
Calcium	ppm	█ 89	---	---	---
Magnesium	ppm	█ 9	---	---	---
Zinc	ppm	█ 424	---	---	---
Phosphorus	ppm	█ 321	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: COWOXF
Unique No: 10991247
Signed: Wes Davis
Report Date: 23 Apr 2024

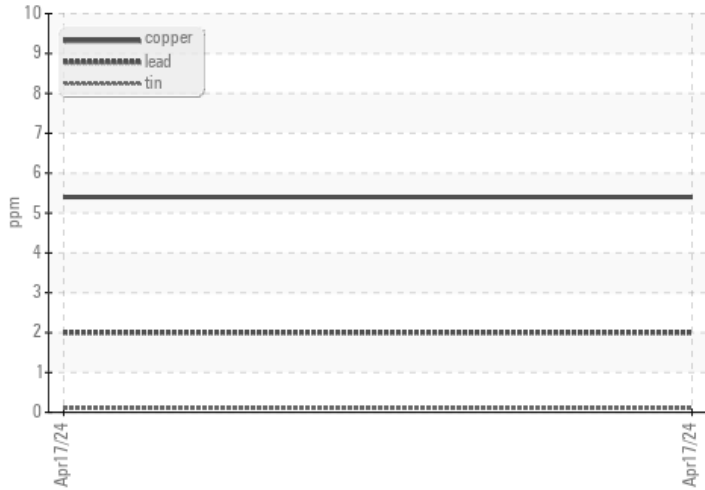


GRAPHS

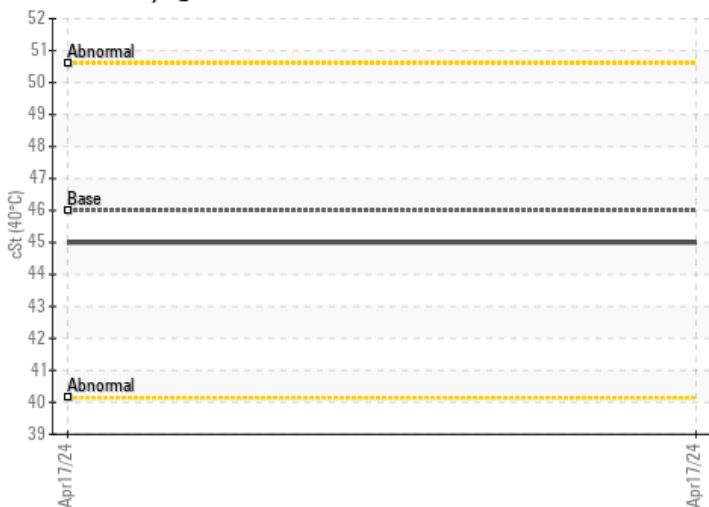
Ferrous Alloys



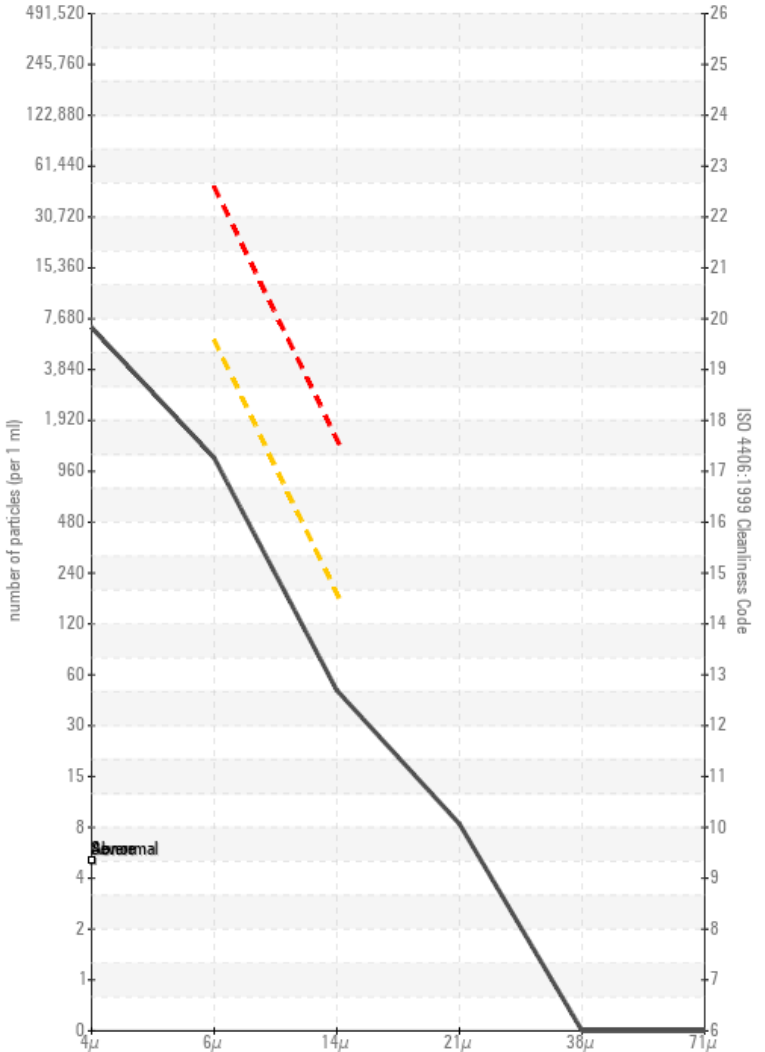
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

