



CONSTRUCTION EQUIPMENT

19096 VOLVO A45G 353355 - HYDRAULIC SYSTEM



Sample No: VCP426888
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19096



SAMPLE INFORMATION

Sample Number	VCP426888	VCP425599	---	---
Sample Date	07 Jul 2023	03 Apr 2023	---	---
Machine Hours	946	558	---	---
Oil Hours	946	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 43.4	█ 43.1	---	---
Acid Number (AN)	mg KOH/g	█ 0.39	█ 0.44	---	---

CONTAMINATION

Particles >4µm	---	15481	---	---	
Particles >6µm	---	▲ 4509	---	---	
Particles >14µm	---	▲ 239	---	---	
ISO 4406:1999 (c)	---	21/19/15	---	---	
Silicon	ppm	█ 5	█ 6	---	---
Sodium	ppm	█ 0	█ 0	---	---
Potassium	ppm	█ 0	█ 0	---	---

Diagnosis
 No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris 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	█ 4	█ 1	---	---
Copper	ppm	█ 1	█ 0	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ <1	█ 0	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 0	0	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	0	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

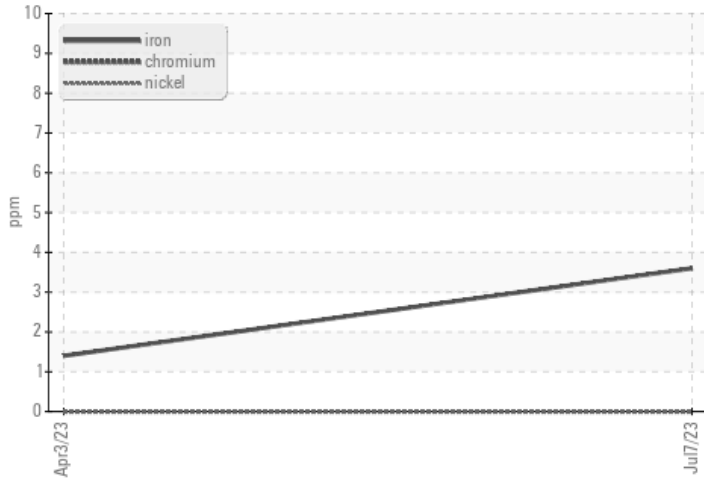
Calcium	ppm	█ 63	66	---	---
Magnesium	ppm	█ <1	2	---	---
Zinc	ppm	█ 430	450	---	---
Phosphorus	ppm	█ 341	352	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 0	0	---	---

Depot: GAIKNI
Unique No: 10552615
Signed: Don Baldrige
Report Date: 14 Jul 2023

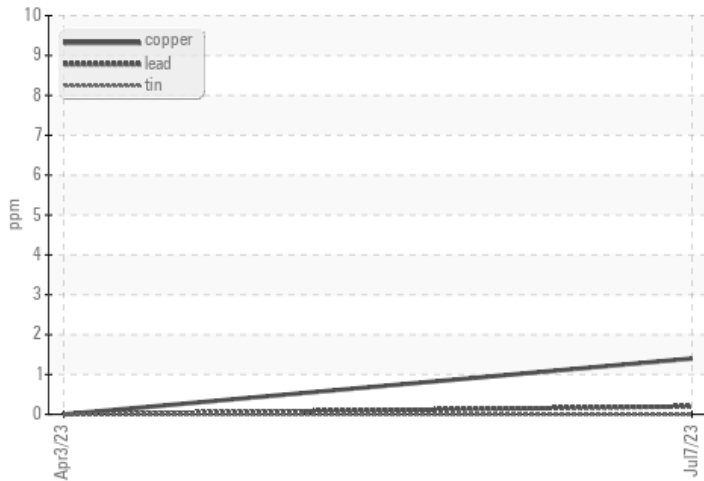


GRAPHS

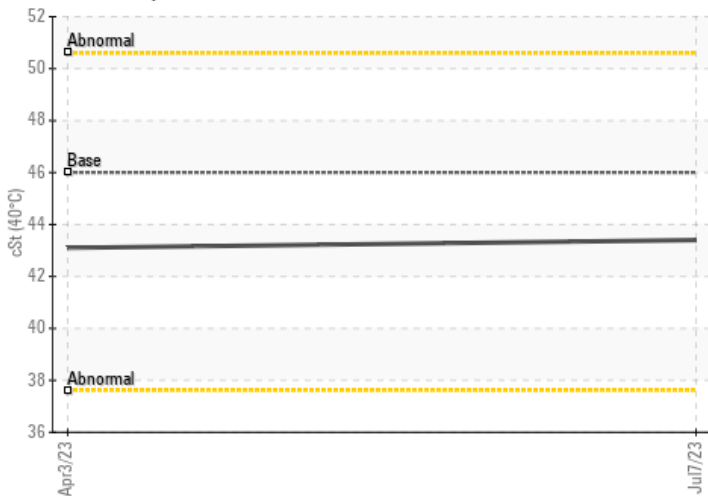
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

