



CONSTRUCTION EQUIPMENT

VOLVO A45G 352505 - HYDRAULIC SYSTEM



Sample No: VCP409174

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP409174	VCP399581	---	---
Sample Date	18 Jul 2023	22 Mar 2023	---	---
Machine Hours	3611	2624	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

DUNN CONSTRUCTION INC

318 N 14TH ST
 BELLEVUE, IA
 US 52031
 Contact: STEVE DUNN
 DUNNCONSTRUCTINC@GMAIL.COM
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	41.6	41.8	---	---
Acid Number (AN)	mg KOH/g	0.40	0.34	---	---



CONTAMINATION

Particles >4µm		---	8537	---	---
Particles >6µm		---	1389	---	---
Particles >14µm		---	61	---	---
ISO 4406:1999 (c)		---	20/18/13	---	---
Silicon	ppm	11	8	---	---
Sodium	ppm	1	<1	---	---
Potassium	ppm	1	0	---	---

Diagnosis

We recommend you service the filters on this component. 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	21	13	---	---
Copper	ppm	8	8	---	---
Lead	ppm	2	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	3	<1	---	---
Chromium	ppm	2	1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

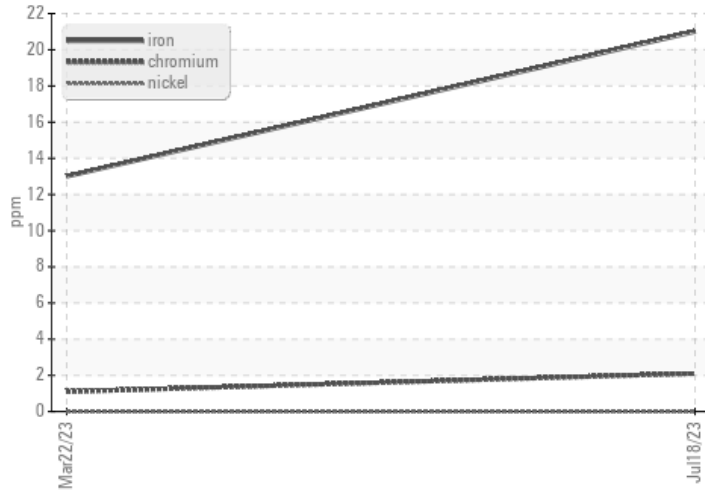
Calcium	ppm	53	74	---	---
Magnesium	ppm	4	12	---	---
Zinc	ppm	445	387	---	---
Phosphorus	ppm	311	312	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: DUNBEL
Unique No: 10701984
Signed: Don Baldrige
Report Date: 23 Oct 2023

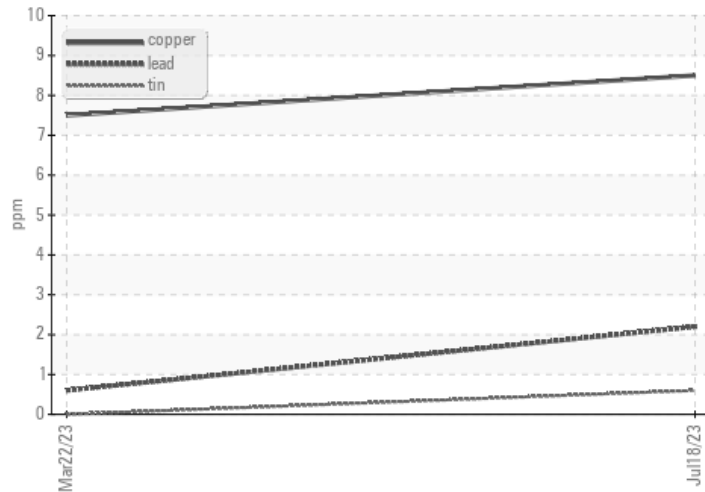


GRAPHS

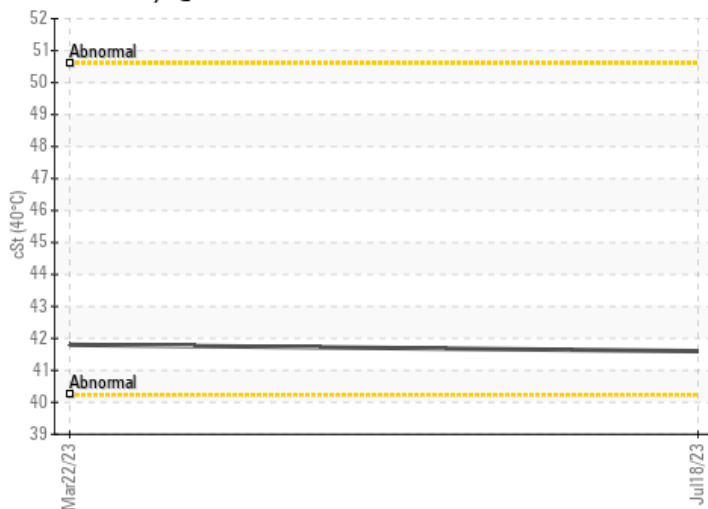
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

