



CONSTRUCTION EQUIPMENT

VOLVO EC480 315121 - HYDRAULIC SYSTEM



Sample No: VCP441859
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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 TAMPA, FL
 US 33619
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SAMPLE INFORMATION

Sample Number	VCP441859	VCP422873	---	---
Sample Date	13 Oct 2023	30 Jun 2023	---	---
Machine Hours	0	511	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█42.1	█42.6	---	---
Acid Number (AN)	mg KOH/g	█0.44	█0.45	---	---



CONTAMINATION

Particles >4µm	---	█18998	---	---	
Particles >6µm	---	█2653	---	---	
Particles >14µm	---	█67	---	---	
ISO 4406:1999 (c)	---	21/19/13	---	---	
Silicon	ppm	█4	█2	---	---
Sodium	ppm	█<1	█0	---	---
Potassium	ppm	█<1	█0	---	---



WEAR METALS

Iron	ppm	█<1	█<1	---	---
Copper	ppm	█9	█7	---	---
Lead	ppm	█0	█0	---	---
Tin	ppm	█0	█0	---	---
Aluminum	ppm	█0	█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	0	<1	---	---



ADDITIVES

Calcium	ppm	█65	█93	---	---
Magnesium	ppm	█0	█0	---	---
Zinc	ppm	█541	█538	---	---
Phosphorus	ppm	█397	█432	---	---
Barium	ppm	█0	█0	---	---
Boron	ppm	█0	█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. Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 10739253
Signed: Don Baldrige
Report Date: 15 Nov 2023

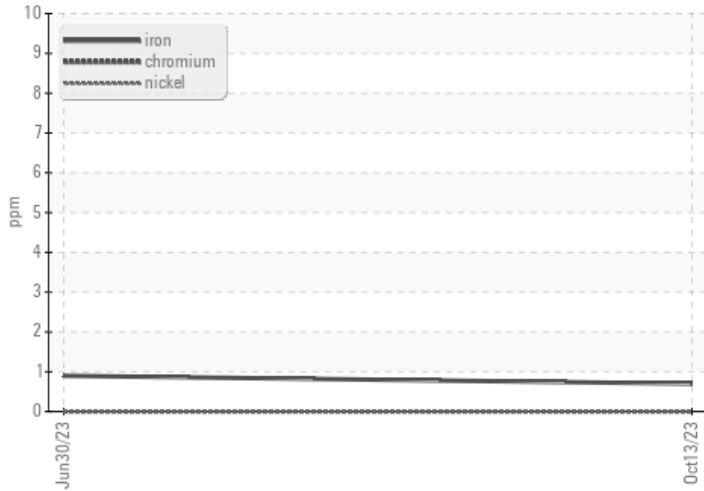


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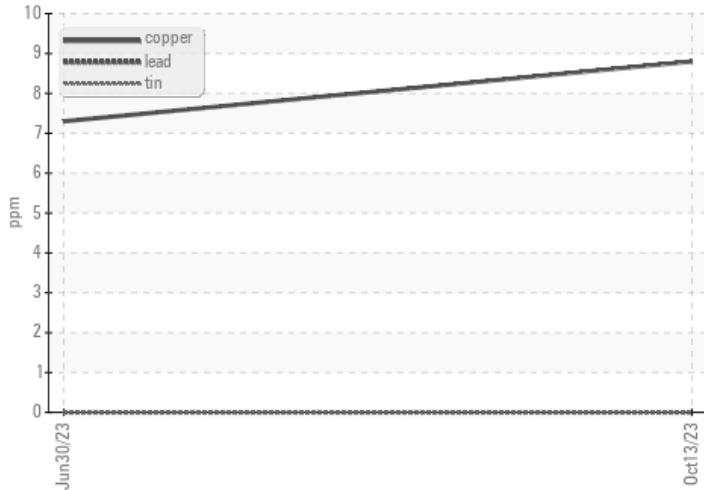


GRAPHS

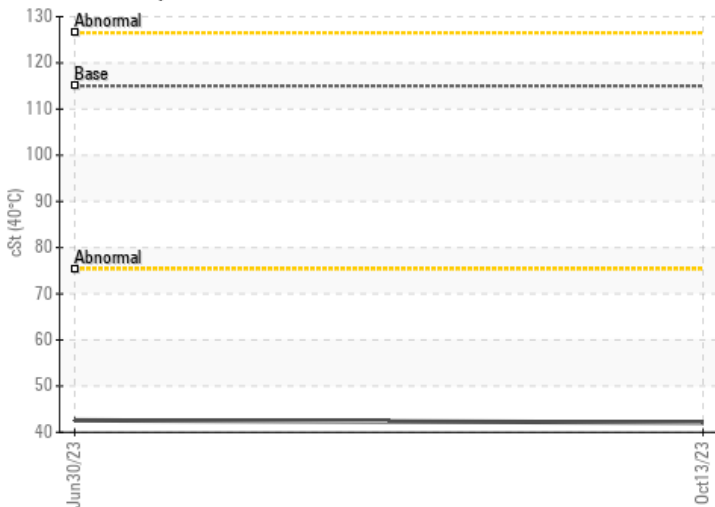
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

