CONSTRUCTION EQUIPMENT
634625 B&C VOLVO A30 753224 - HYDRAULIC SYSTEM

Sample No: VCP440716
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 634625 B&C

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number		**VCP440716**	VCP422295	---	---
Sample Date		**28 Nov 2023**	01 Jun 2023	---	---
Machine Hours		**1304**	514	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**Not Changd**	Not Changd	---	---
Sample Status		**ABNORMAL**	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**47.7**	43.4	---	---
Acid Number (AN)	mg KOH/g	**0.68**	0.94	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**26664**	32154	---	---
Particles >6µm		**11092**	2688	---	---
Particles >14µm		**2213**	21	---	---
ISO 4406:1999 (c)		**22/21/18**	22/19/12	---	---
Silicon	ppm	**3**	15	---	---
Sodium	ppm	**0**	3	---	---
Potassium	ppm	**1**	4	---	---

WEAR METALS

Iron	ppm	**6**	3	---	---
Copper	ppm	**2**	68	---	---
Lead	ppm	**<1**	0	---	---
Tin	ppm	**0**	0	---	---
Aluminum	ppm	**1**	1	---	---
Chromium	ppm	**0**	<1	---	---
Molybdenum	ppm	**16**	<1	---	---
Nickel	ppm	**0**	0	---	---
Titanium	ppm	**<1**	0	---	---
Silver	ppm	**0**	0	---	---
Manganese	ppm	**0**	<1	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**276**	4048	---	---
Magnesium	ppm	**118**	19	---	---
Zinc	ppm	**426**	1599	---	---
Phosphorus	ppm	**359**	1290	---	---
Barium	ppm	**0**	4	---	---
Boron	ppm	**14**	129	---	---

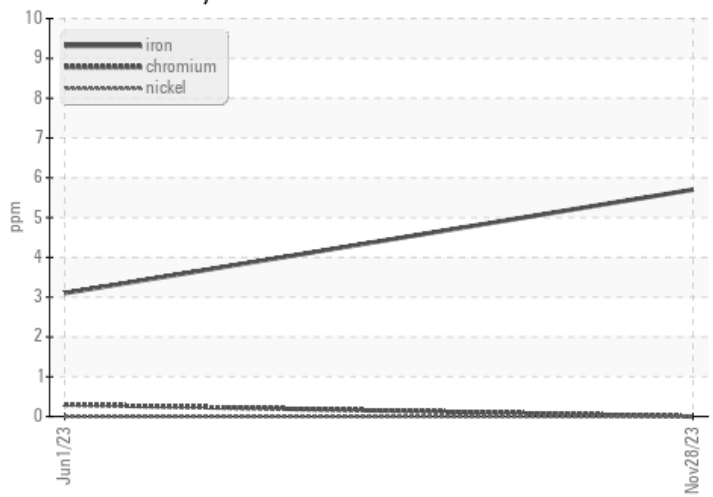
Diagnosis

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 high amount of particulates present in the oil. There is a moderate amount of visible silt present in the sample. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

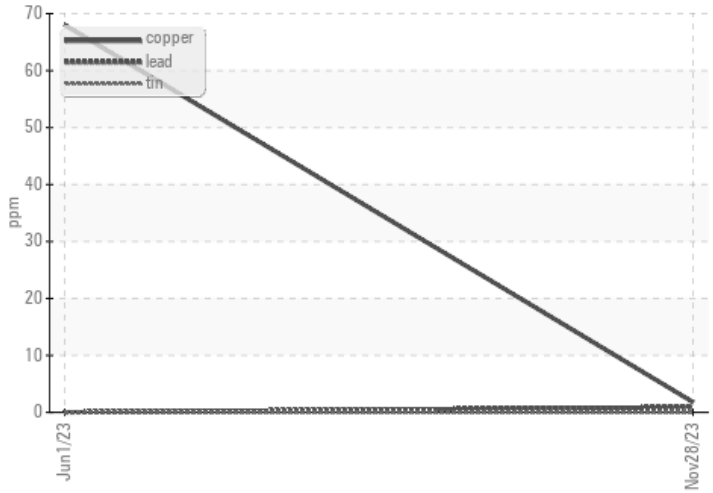
Depot: VOLVO0096
Unique No: 10766018
Signed: Don Baldridge
Report Date: 04 Dec 2023

GRAPHS

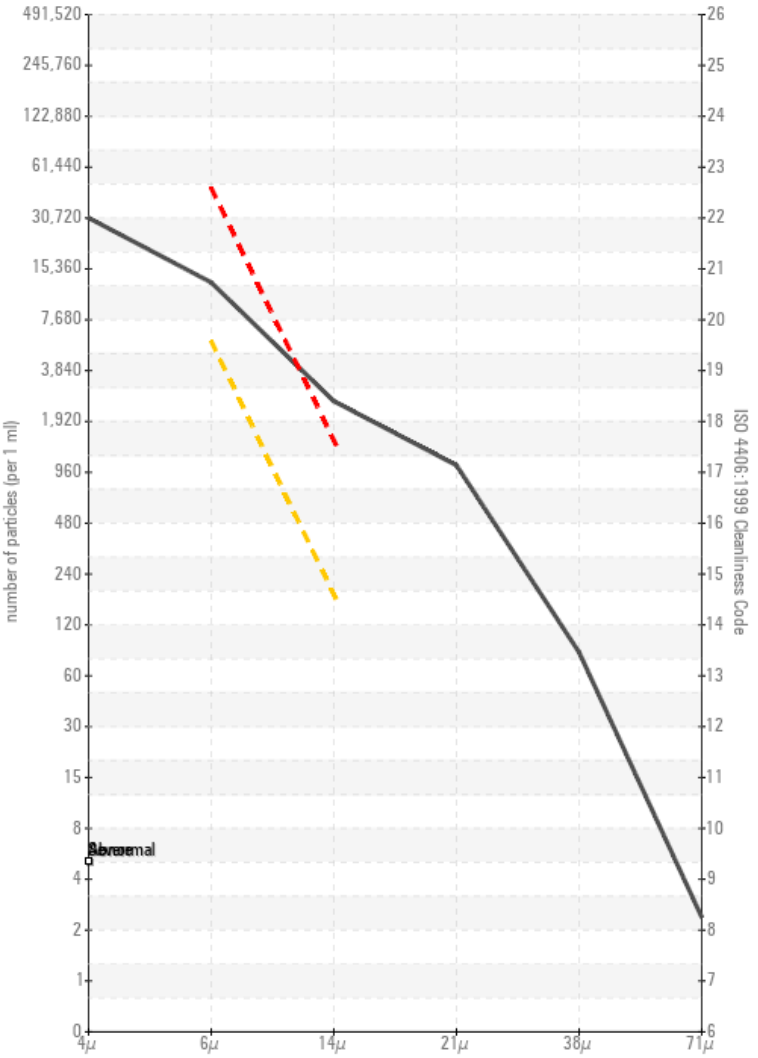
Ferrous Alloys



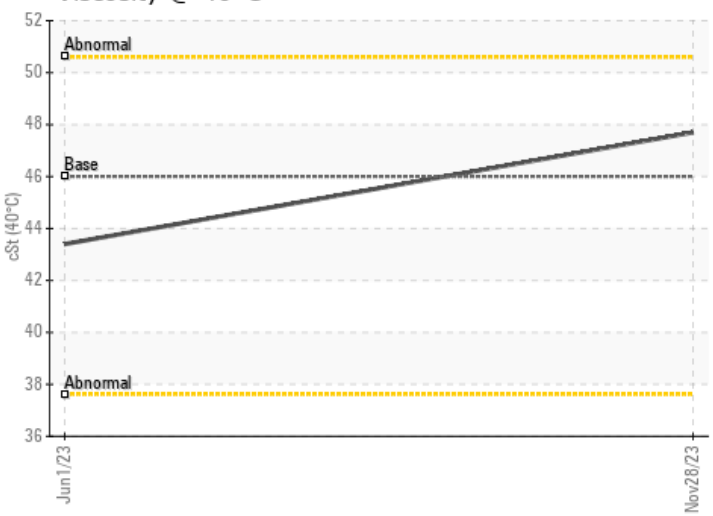
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number