



CONSTRUCTION EQUIPMENT

42348 COOGLER CONS VOLVO EC380EL 3 10040 - HYDRAULIC SYSTEM



Sample No: VCP409015
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 42348 COOGLER CONS



SAMPLE INFORMATION

Sample Number	VCP409015	VCP203326	VCP218372	---
Sample Date	15 Jul 2024	22 Jun 2018	06 Nov 2017	---
Machine Hours	1134	3730	2225	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

215 - ASCENDUM MACHINERY INC - CAYCE
 2303 AIRPORT BLVD
 CAYCE, SC
 US 29033
 Contact: TAMI BROWDER
 tami.browder@ascendummachinery.com
 T: (803)923-2138
 F: (803)791-9920



OIL CONDITION

Visc @ 40°C	cSt	44.9	40.13	42.5	---
Acid Number (AN)	mg KOH/g	0.47	0.550	0.544	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		---	31321	42618	---
Particles >6µm		---	1484	7573	---
Particles >14µm		---	19	247	---
ISO 4406:1999 (c)		---	22/18/11	23/20/15	---
Silicon	ppm	3	25	3	---
Sodium	ppm	1	3	<1	---
Potassium	ppm	0	3	<1	---

Diagnosis

The oil change at the time of sampling has been noted. 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 acceptable for the time in service.



WEAR METALS

Iron	ppm	3	10	5	---
Copper	ppm	16	41	40	---
Lead	ppm	0	0	1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	3	0	---
Chromium	ppm	2	<1	<1	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	72	112	108	---
Magnesium	ppm	2	47	0	---
Zinc	ppm	501	534	616	---
Phosphorus	ppm	393	417	498	---
Barium	ppm	0	0	0	---
Boron	ppm	0	2	<1	---

Depot: VOLVO0013
Unique No: 11128388
Signed: Don Baldrige
Report Date: 19 Jul 2024

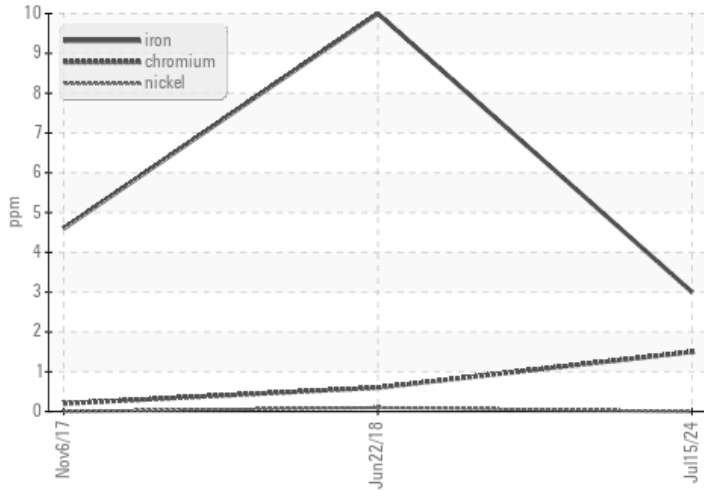


CONSTRUCTION EQUIPMENT

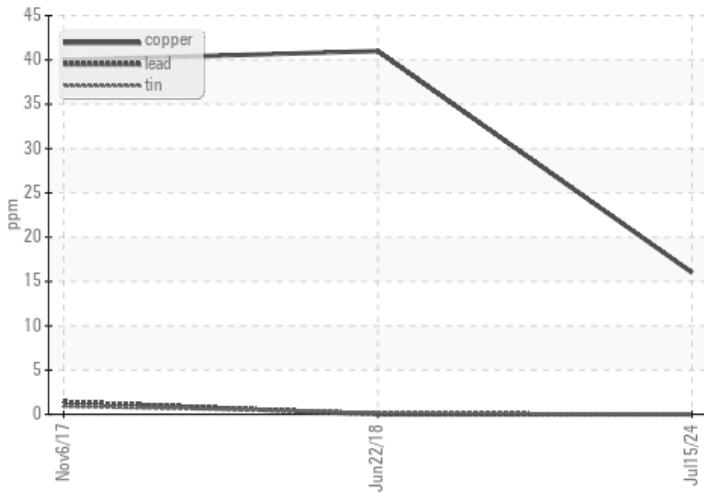


GRAPHS

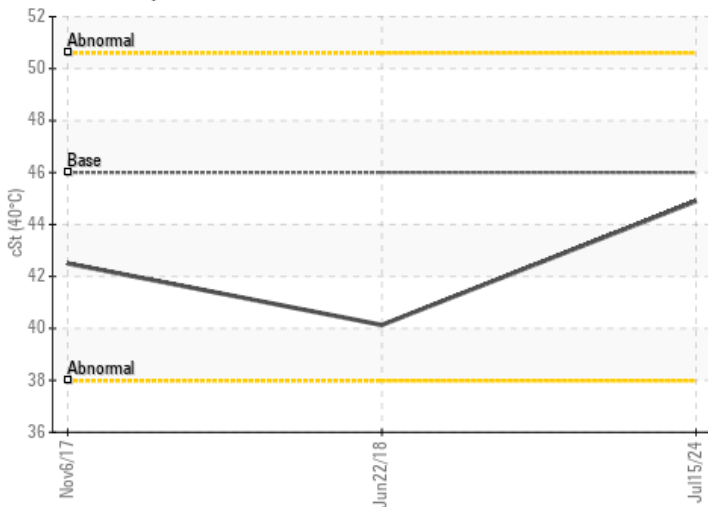
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

