



CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY/250 HOUR CSA 19209

VOLVO EW180B 1041 (S/N 8751391) HYDRAULIC SYS



Sample No: VCP414144
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19209



SAMPLE INFORMATION

Sample Number	VCP414144	VCP0004784	---	---
Sample Date	25 Jul 2023	01 Dec 2022	---	---
Machine Hours	807	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	N/A	---	---
Sample Status	ABNORMAL	NORMAL	---	---

TRIANGLE GRADING AND PAVING INC
 1521 Huffman Mill Rd
 BURLINGTON, NC
 US 27216
 Contact: KAREN HILLIARD
 khilliard@trianglegradingpaving.com
 T: (336)584-1745
 F: (336)584-0145

OIL CONDITION

Visc @ 40°C	cSt	█ 39.6	█ 37.4	---	---
Acid Number (AN)	mg KOH/g	█ 0.93	█ 0.92	---	---

CONTAMINATION

Particles >4µm	---	█ 29326	---	---	
Particles >6µm	---	█ 1875	---	---	
Particles >14µm	---	█ 87	---	---	
ISO 4406:1999 (c)	---	22/18/14	---	---	
Silicon	ppm	█ 6	█ 6	---	---
Sodium	ppm	█ 0	█ 1	---	---
Potassium	ppm	█ 2	█ 0	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. No other contaminants were detected 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	█ 8	█ 10	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 3	█ 3	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

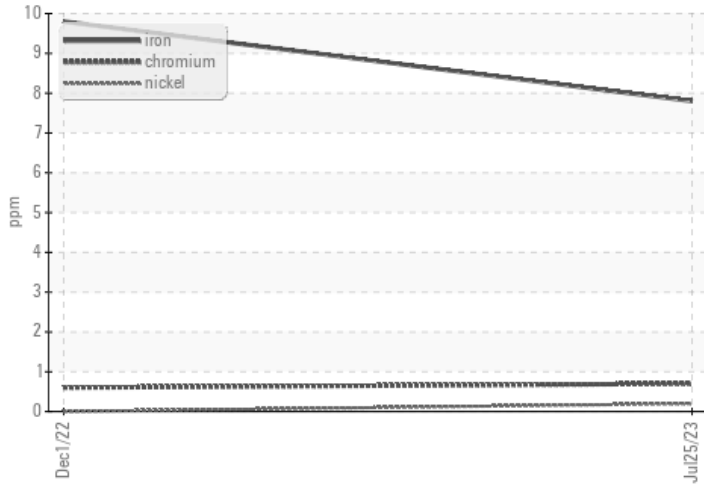
Calcium	ppm	█ 902	█ 982	---	---
Magnesium	ppm	█ 287	█ 275	---	---
Zinc	ppm	█ 782	█ 714	---	---
Phosphorus	ppm	█ 640	█ 640	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 3	█ 4	---	---

Depot: TRIBUR
Unique No: 10587201
Signed: Don Baldrige
Report Date: 05 Aug 2023

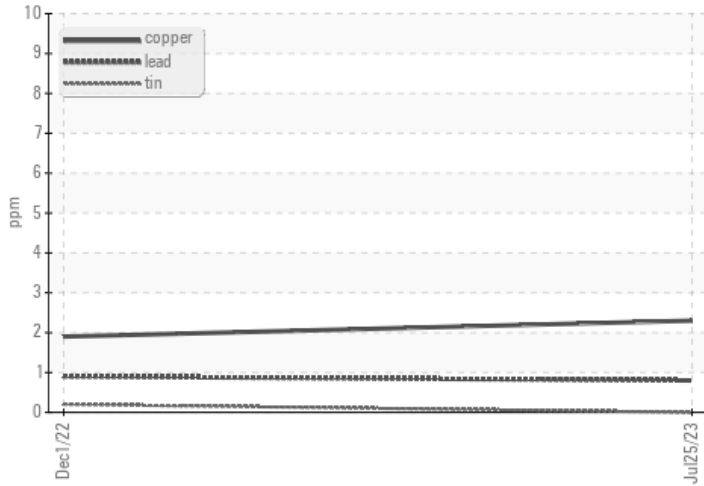


GRAPHS

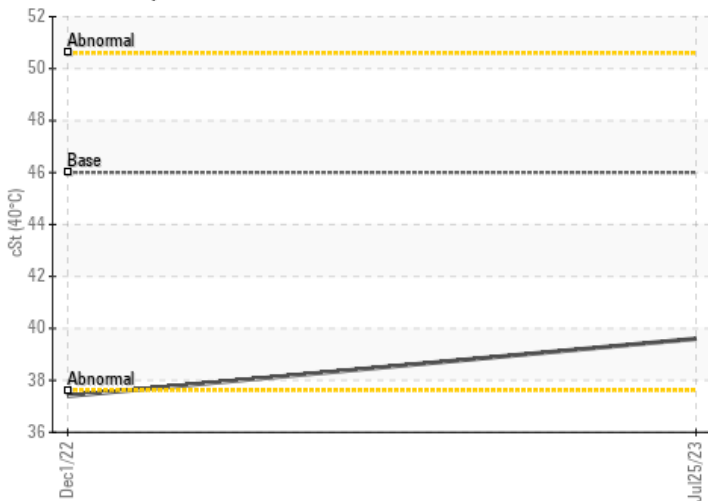
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

