



CONSTRUCTION EQUIPMENT

23807 VOLVO A40 352615 - HYDRAULIC SYSTEM



Sample No: VCP410195
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 23807



SAMPLE INFORMATION

Sample Number	VCP410195	---	---	---
Sample Date	28 Jul 2023	---	---	---
Machine Hours	3743	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

218 - ASCENDUM MACHINERY INC - N. CHARLESTON
 7235 CROSS COUNTRY RD.
 NORTH CHARLESTON, SC
 US 29418
 Contact: MATT MITCHAM
 matt.mitcam@ascendummachinery.com
 T:
 F: (843)414-1129

OIL CONDITION

Visc @ 40°C	cSt	█ 43.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.43	---	---	---

CONTAMINATION

Particles >4µm		9420	---	---	---
Particles >6µm		█ 2240	---	---	---
Particles >14µm		▲ 233	---	---	---
ISO 4406:1999 (c)		20/18/15	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis
 No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates 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	█ 10	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 414	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 521	---	---	---
Phosphorus	ppm	█ 430	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO3387
Unique No: 10580082
Signed: Don Baldrige
Report Date: 03 Aug 2023

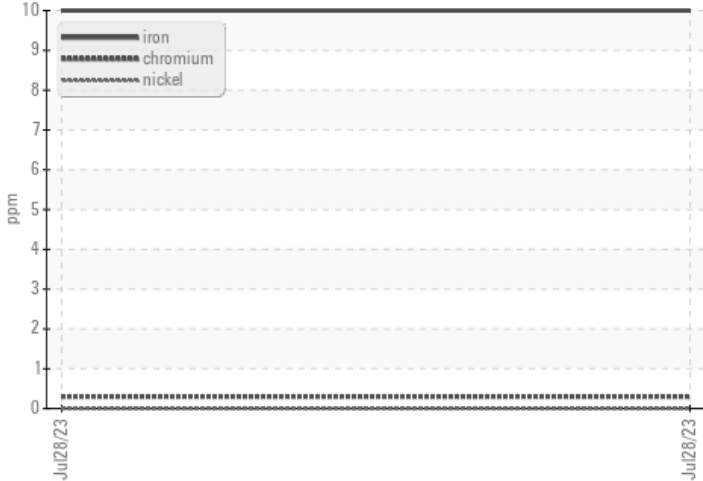


CONSTRUCTION EQUIPMENT

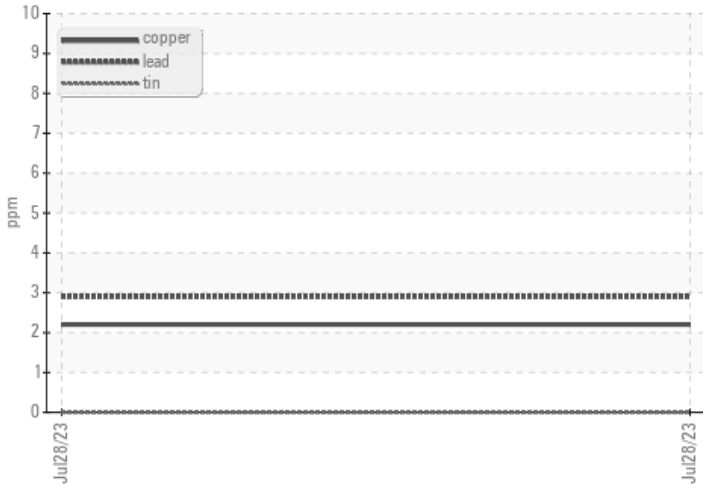


VOLVO GRAPHS

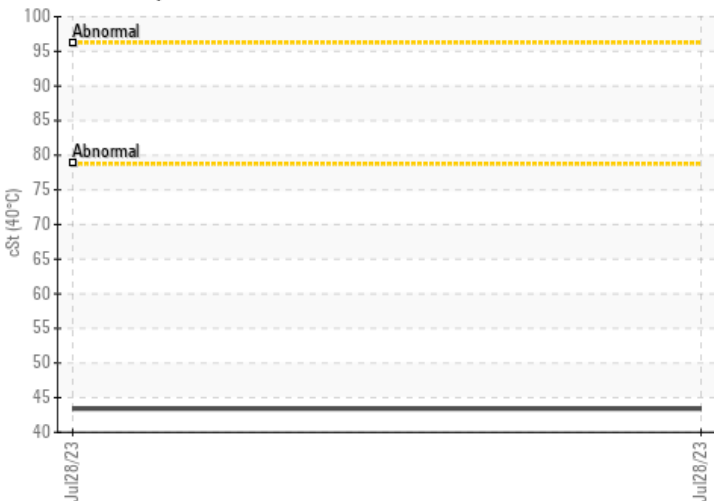
Ferrous Alloys



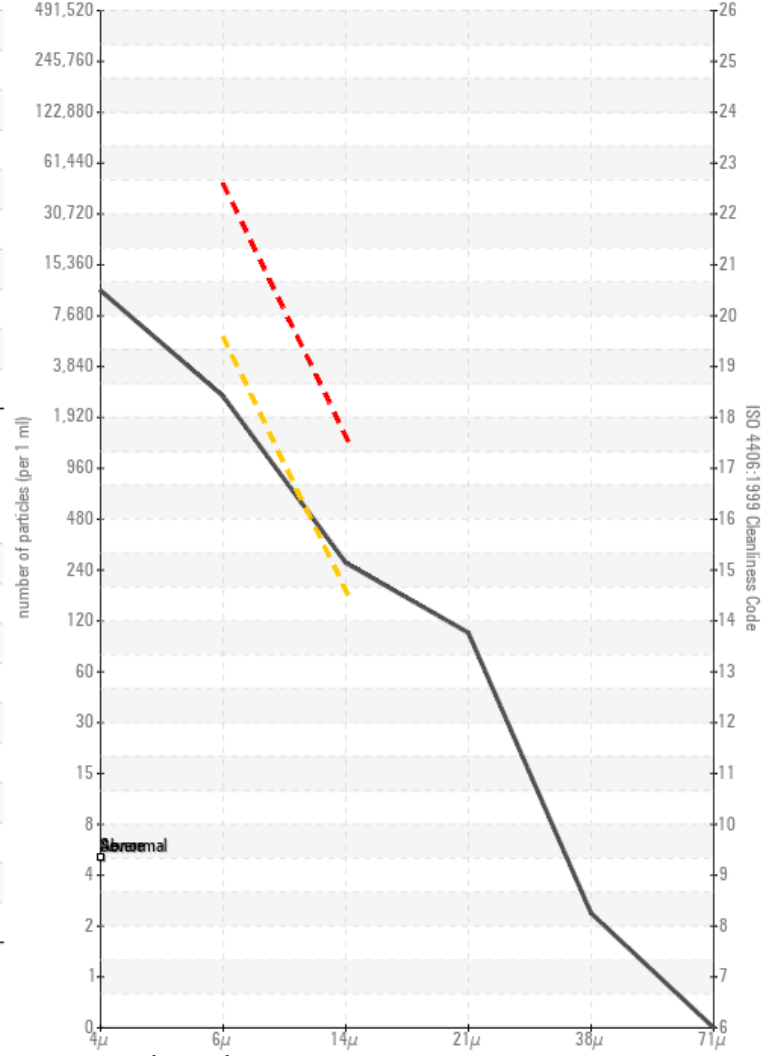
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

