



CONSTRUCTION EQUIPMENT

X47606 VOLVO SD115B 236990 - HYDRAULIC SYSTEM



Sample No: VCP414627
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: X47606



SAMPLE INFORMATION

Sample Number	VCP414627	VCP408393	---	---
Sample Date	15 Sep 2023	09 Jun 2023	---	---
Machine Hours	1634	1267	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

SCOTT EQUIPMENT COMPANY LLC - Lake Charles
 PO BOX 16955
 LAKE CHARLES, LA
 US 70616
 Contact: TINA LEDOUX
 tledoux@scottcompanies.com
 T: (337)433-9811
 F: (318)433-6623



OIL CONDITION

Visc @ 40°C	cSt	43.8	43.9	---	---
Acid Number (AN)	mg KOH/g	0.11	0.11	---	---



CONTAMINATION

Particles >4µm		25025	---	---	---
Particles >6µm		12638	---	---	---
Particles >14µm		3202	---	---	---
ISO 4406:1999 (c)		22/21/19	---	---	---
Silicon	ppm	3	2	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	2	1	---	---

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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	25	23	---	---
Copper	ppm	2	4	---	---
Lead	ppm	5	5	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	<1	2	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	106	119	---	---
Magnesium	ppm	2	<1	---	---
Zinc	ppm	84	82	---	---
Phosphorus	ppm	396	457	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO6244
Unique No: 10658784
Signed: Don Baldrige
Report Date: 22 Sep 2023

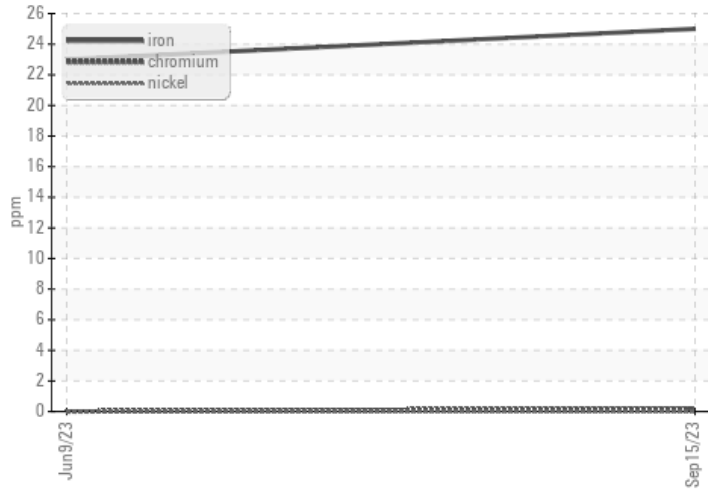


CONSTRUCTION EQUIPMENT

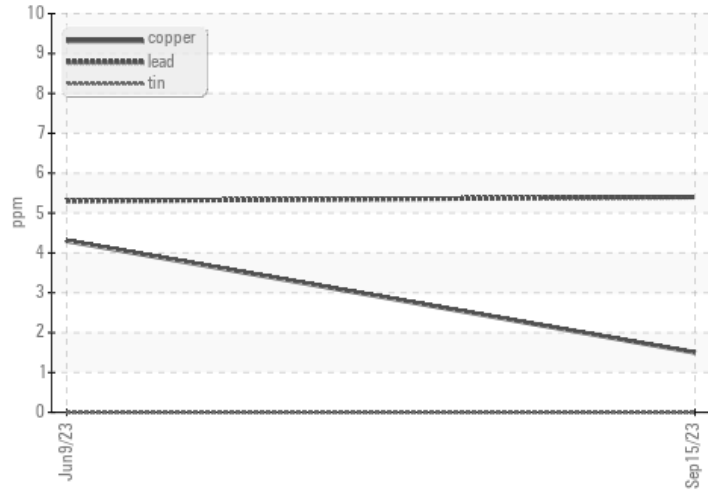


GRAPHS

Ferrous Alloys



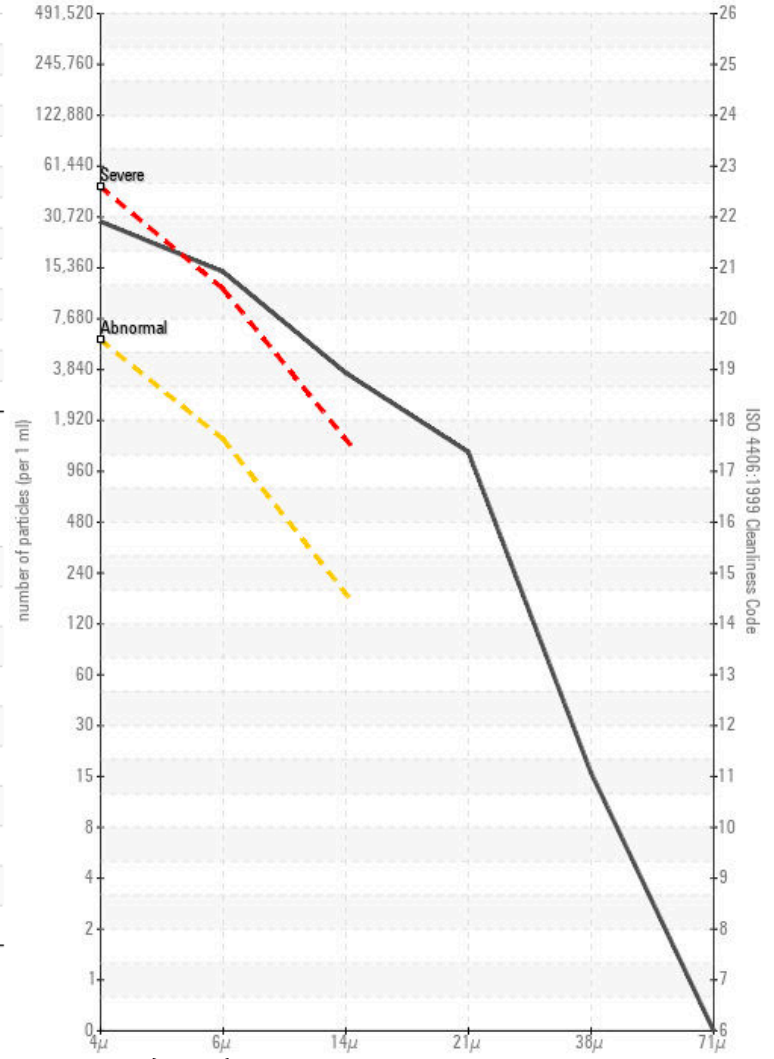
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

