



CONSTRUCTION EQUIPMENT

530 VOLVO SD115 236019 - HYDRAULIC SYSTEM



Sample No: VCP446771
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 530



SAMPLE INFORMATION

Sample Number	VCP446771	VCP408644	---	---
Sample Date	16 Apr 2024	11 Aug 2023	---	---
Machine Hours	5649	5001	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

WLW CONSTRUCTION

PO BOX 377
 MT DORA, FL
 US 32756-0377
 Contact: ELAINE STULTZ
 elaine@wlwconstruction.com
 T: (352)383-7305
 F:



OIL CONDITION

Visc @ 40°C	cSt	49.9	55.9	---	---
Acid Number (AN)	mg KOH/g	0.60	0.85	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		889	---	---	---
Particles >6µm		125	---	---	---
Particles >14µm		9	---	---	---
ISO 4406:1999 (c)		17/14/10	---	---	---
Silicon	ppm	11	4	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	4	13	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	6	12	---	---
Copper	ppm	3	6	---	---
Lead	ppm	0	2	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	12	26	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	486	969	---	---
Magnesium	ppm	58	116	---	---
Zinc	ppm	382	562	---	---
Phosphorus	ppm	322	513	---	---
Barium	ppm	0	0	---	---
Boron	ppm	11	36	---	---

Depot: WLWMOU
Unique No: 10994438
Signed: Don Baldrige
Report Date: 25 Apr 2024

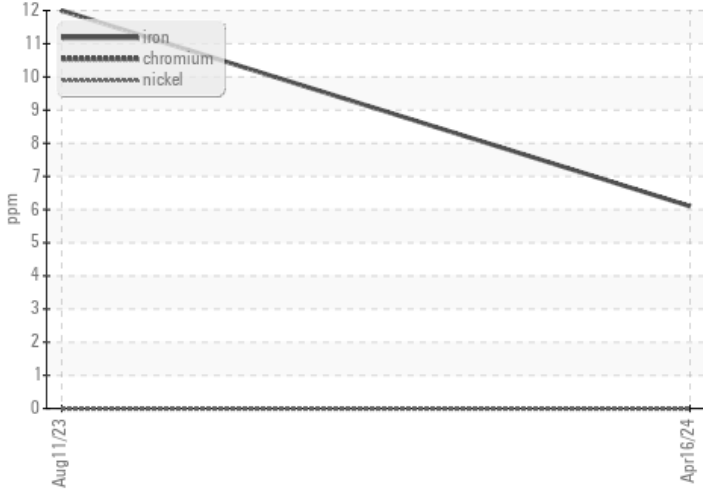


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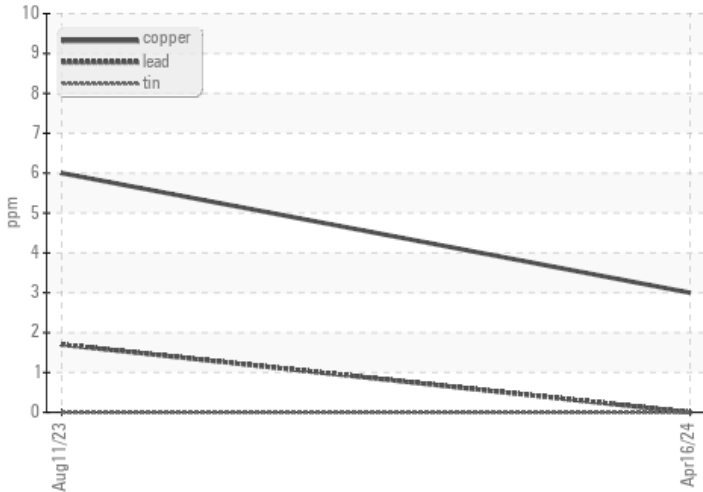


GRAPHS

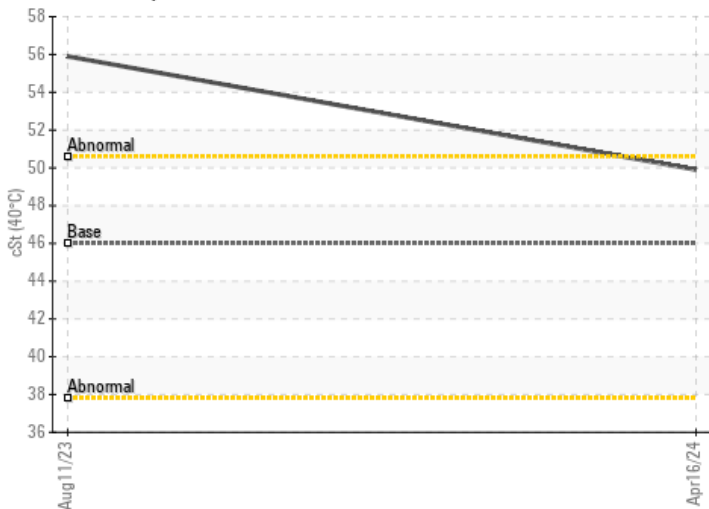
Ferrous Alloys



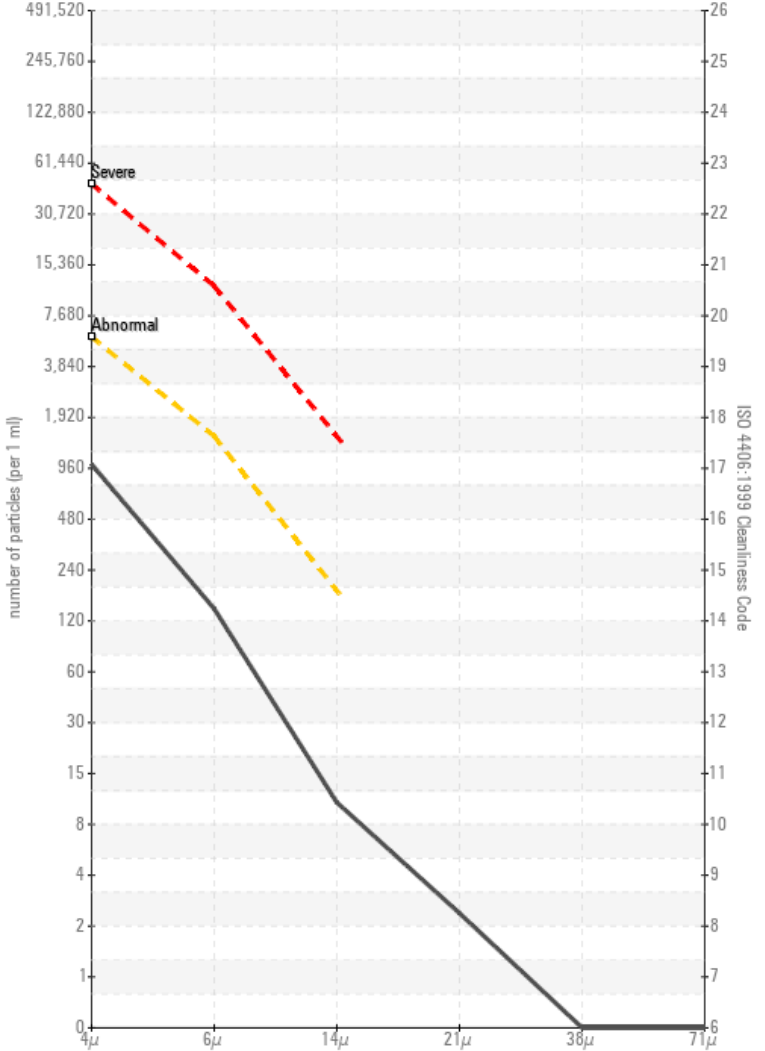
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

