



CONSTRUCTION EQUIPMENT

595367 VOLVO EC480E 3 14409 - HYDRAULIC SYSTEM



Sample No: VCP416925
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 595367



SAMPLE INFORMATION

Sample Number	VCP416925	VCP355389	---	---
Sample Date	07 Sep 2023	26 May 2022	---	---
Machine Hours	3073	2063	---	---
Oil Hours	3073	2063	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	NORMAL	---	---

BLAZE CONSTRUCTION

5640 ST JEAN ST
 DETROIT, MI
 US 48213
 Contact: DAVE WARD
 dward@blazecontracting.net
 T: (248)632-2317
 F:



OIL CONDITION

Visc @ 40°C	cSt	39.8	41.7	---	---
Acid Number (AN)	mg KOH/g	0.40	0.49	---	---



CONTAMINATION

Particles >4µm		▲ 58798	34195	---	---
Particles >6µm		7823	3374	---	---
Particles >14µm		96	178	---	---
ISO 4406:1999 (c)		23/20/14	22/19/15	---	---
Silicon	ppm	7	4	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	0	0	---	---

Diagnosis

The 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 light amount of silt (particulates < 14 microns in size) 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	11	10	---	---
Copper	ppm	59	77	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	2	2	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	1	1	---	---
Molybdenum	ppm	2	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	873	109	---	---
Magnesium	ppm	20	1	---	---
Zinc	ppm	578	454	---	---
Phosphorus	ppm	512	364	---	---
Barium	ppm	0	0	---	---
Boron	ppm	2	0	---	---

Depot: BLADET
Unique No: 10644922
Signed: Wes Davis
Report Date: 14 Sep 2023

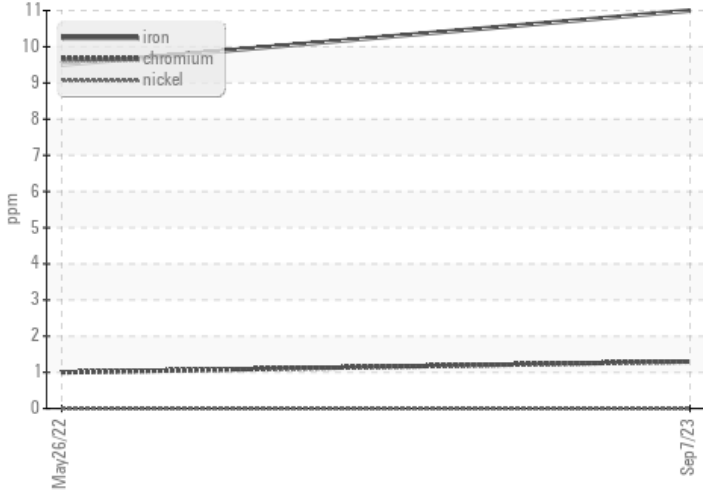


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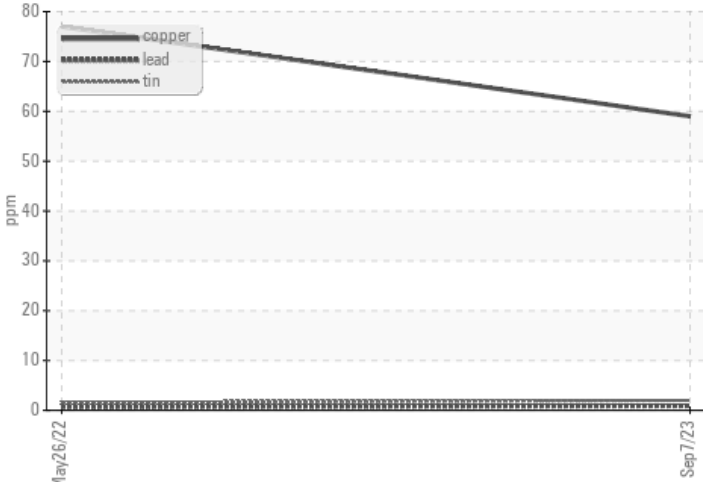


GRAPHS

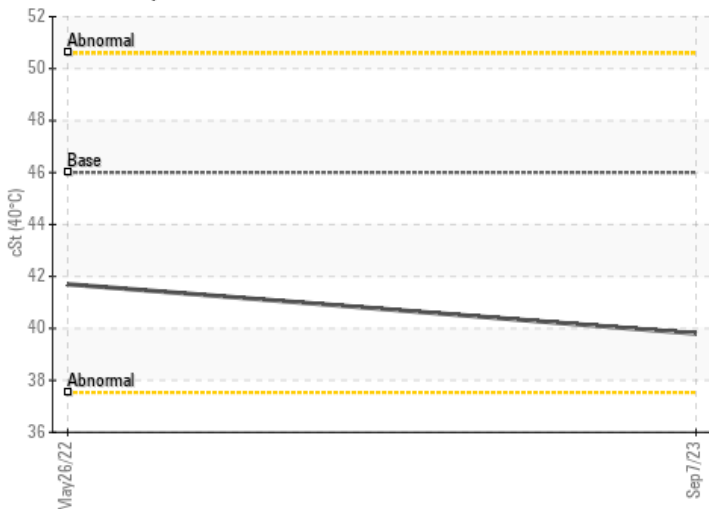
Ferrous Alloys



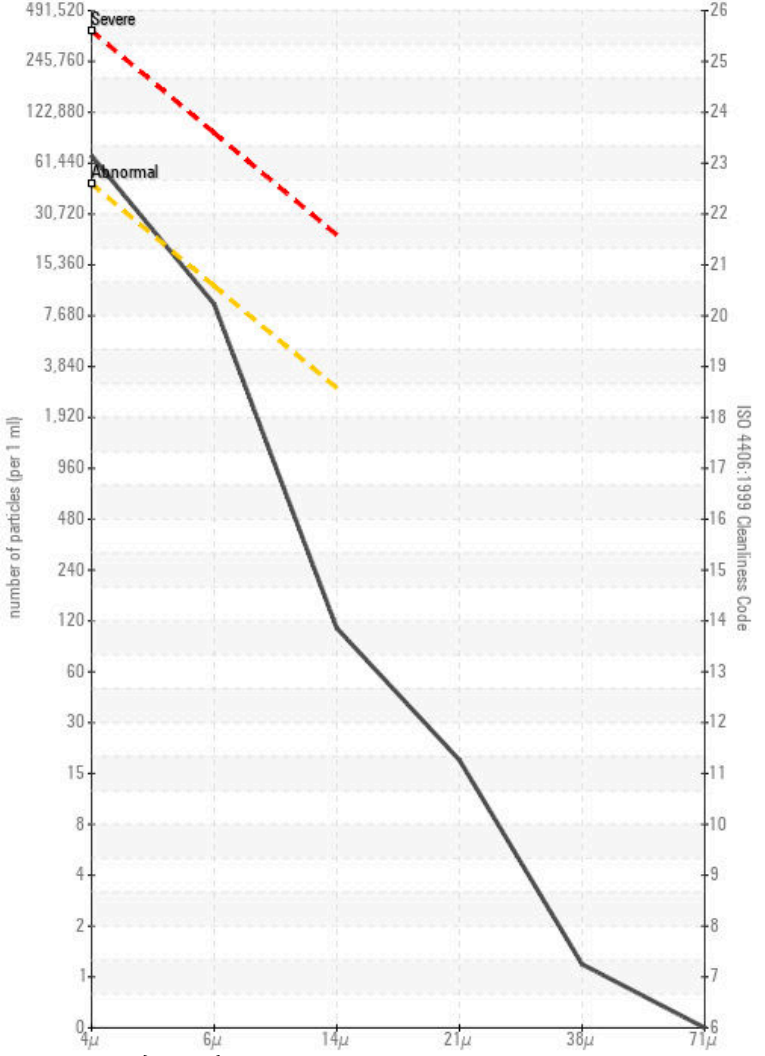
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

