



CONSTRUCTION EQUIPMENT

362922 VOLVO EC480EL 314867 - HYDRAULIC SYSTEM



Sample No: VCP432620
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 362922



SAMPLE INFORMATION

Sample Number	VCP432620	VCP420308	VCP419913	VCP376006
Sample Date	14 Sep 2023	02 May 2023	02 Mar 2023	11 Aug 2022
Machine Hours	3020	2180	1846	784
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

CALLANAN
 RT 32 677 FLATBUSH RD
 EAST KINGSTON, NY
 US 12401
 Contact:



OIL CONDITION

Visc @ 40°C	cSt	41.0	41.0	42.8	42.1
Acid Number (AN)	mg KOH/g	0.67	---	0.996	0.64

T:
F:



CONTAMINATION

Particles >4µm	64511	25697	22517	9764	
Particles >6µm	4406	1806	639	969	
Particles >14µm	177	66	17	50	
ISO 4406:1999 (c)	23/19/15	22/18/13	22/16/11	20/17/13	
Silicon	ppm	9	6	4	6
Sodium	ppm	1	<1	2	<1
Potassium	ppm	0	<1	1	<1

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	9	5	6	3
Copper	ppm	25	18	18	11
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	0	<1	1	1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	1	<1	4	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	4	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	686	640	959	191
Magnesium	ppm	28	26	58	3
Zinc	ppm	657	582	734	547
Phosphorus	ppm	439	476	573	411
Barium	ppm	0	0	0	2
Boron	ppm	12	10	32	2

Depot: CALEAS
Unique No: 10655143
Signed: Wes Davis
Report Date: 20 Sep 2023

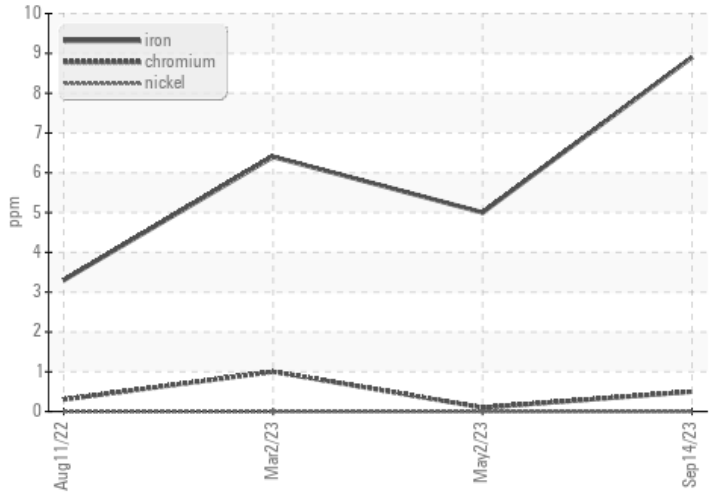


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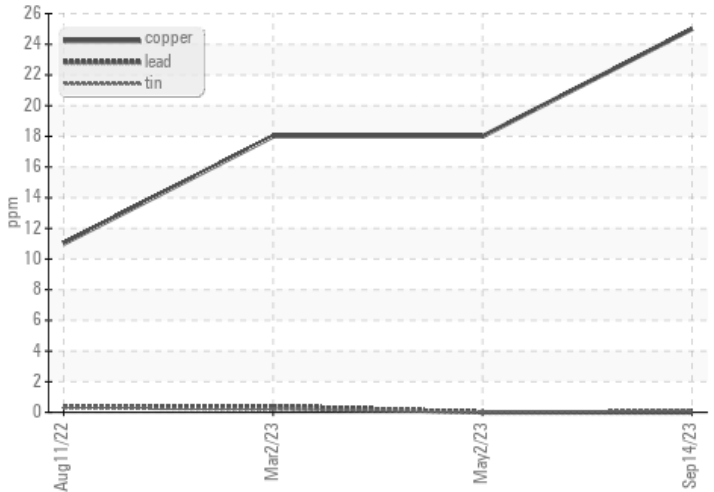


GRAPHS

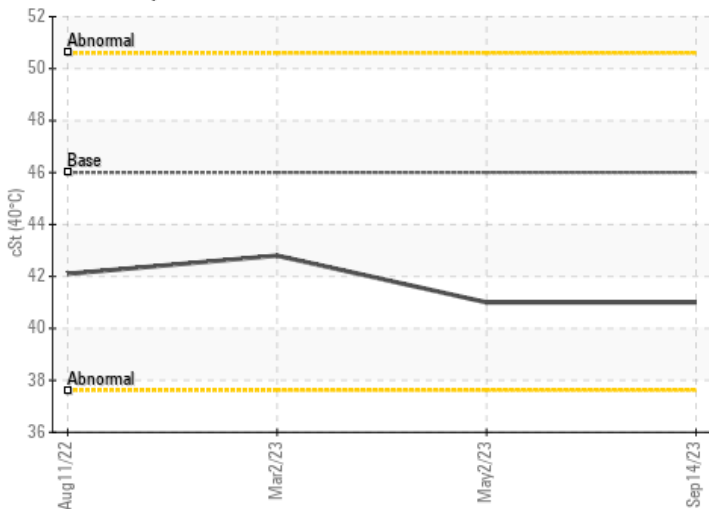
Ferrous Alloys



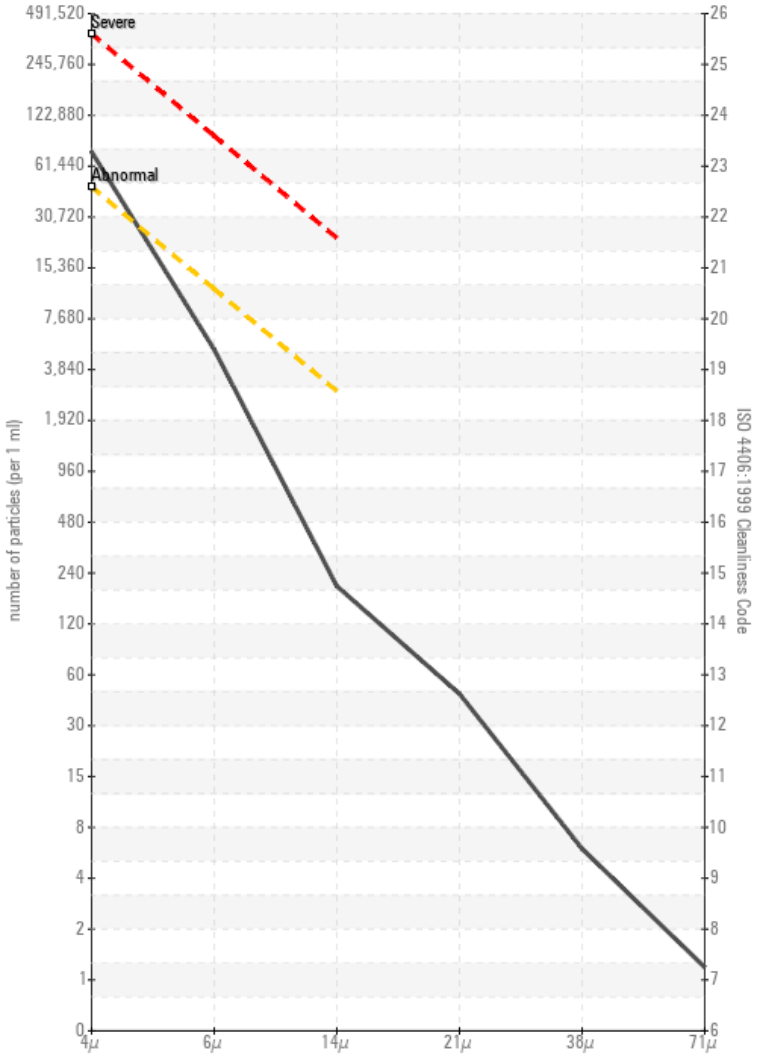
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

