



CONSTRUCTION EQUIPMENT

VOLVO EC750E 314101 - HYDRAULIC SYSTEM



Sample No: VCP408811
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



ROMCO INC
 1350 NE LOOP 820
 FORT WORTH, TX
 US 76106
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SAMPLE INFORMATION

Sample Number	VCP408811	VCP321136	VCP366072	VCP377910
Sample Date	20 Jun 2023	07 Nov 2022	05 Oct 2022	29 Aug 2022
Machine Hours	4232	3841	3558	3206
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	42.4	41.8	41.9	42.1
Acid Number (AN)	mg KOH/g	0.40	0.42	0.44	0.47



CONTAMINATION

Particles >4µm		3326	5224	---	163
Particles >6µm		634	709	---	35
Particles >14µm		62	23	---	5
ISO 4406:1999 (c)		19/16/13	20/17/12	---	15/12/10
Silicon	ppm	2	4	5	2
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	0	0	<1	2



WEAR METALS

Iron	ppm	4	5	7	3
Copper	ppm	7	12	14	11
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	2	2	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	41	58	62	57
Magnesium	ppm	0	0	<1	<1
Zinc	ppm	439	429	488	434
Phosphorus	ppm	353	383	378	354
Barium	ppm	0	0	2	0
Boron	ppm	0	0	<1	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0081
Unique No: 10533686
Signed: Wes Davis
Report Date: 06 Jul 2023

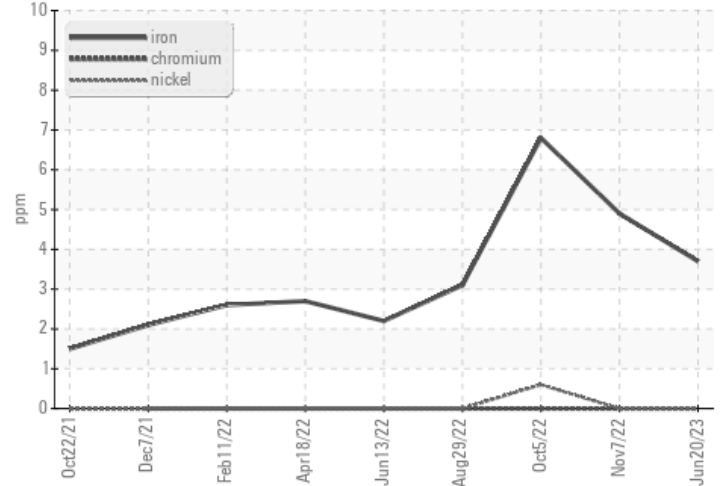


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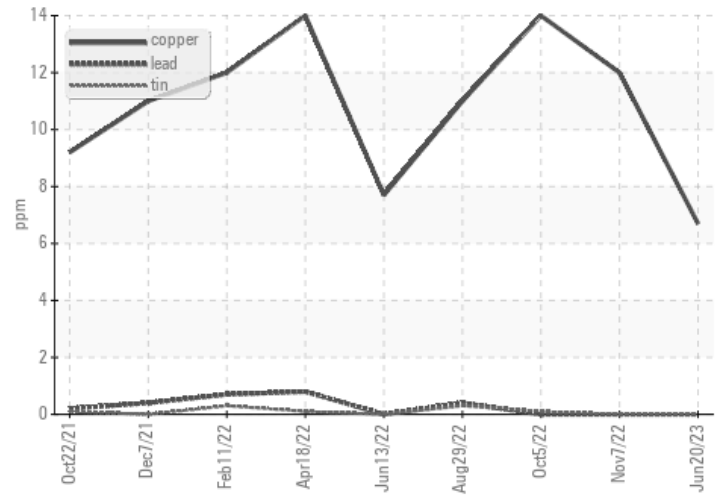


GRAPHS

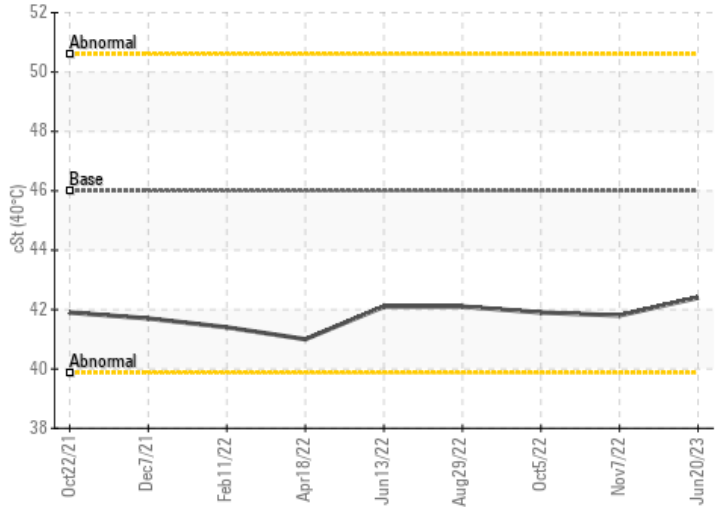
Ferrous Alloys



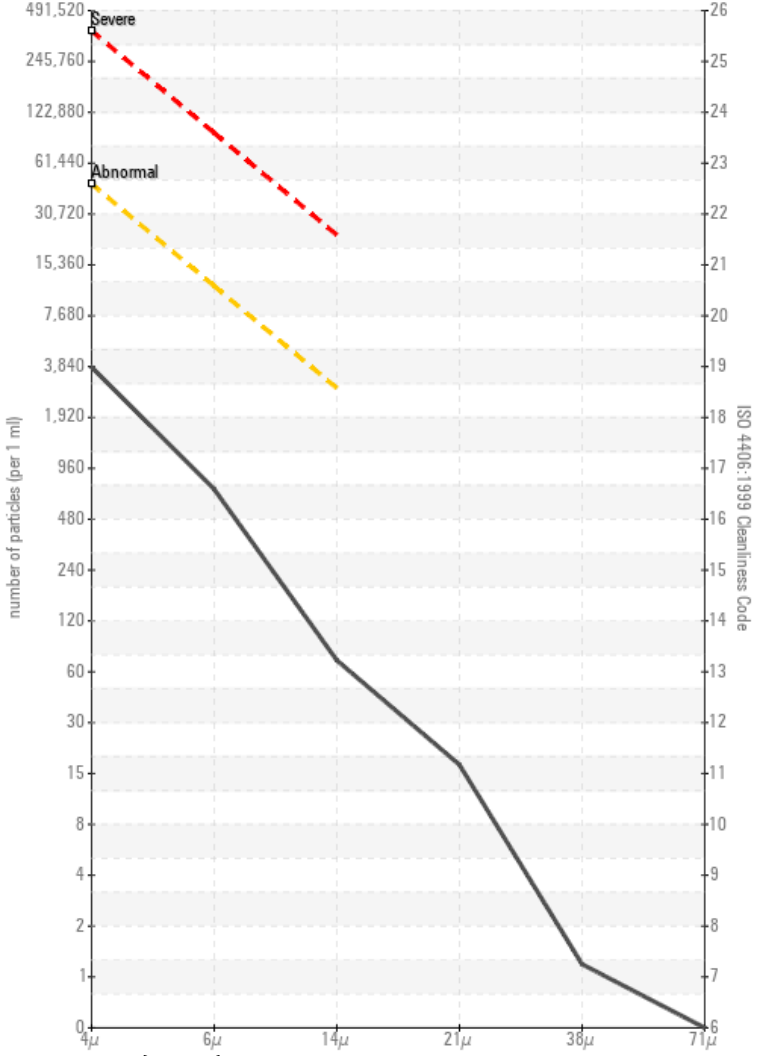
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

