



CONSTRUCTION EQUIPMENT

607511 VOLVO EC750E 314043 - HYDRAULIC SYSTEM



Sample No: VCP440110
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 607511



SAMPLE INFORMATION

Sample Number	VCP440110	VCP417615	VCP406002	VCP398637
Sample Date	21 Sep 2023	05 Jul 2023	20 Apr 2023	07 Feb 2023
Machine Hours	4441	3974	3513	2974
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

BLUE GOOSE GROWERS
 16059 W ORANGE AVE
 FT PIERCE, FL
 US 34945
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 40°C	cSt	53.1	39.9	39.6	39.8
Acid Number (AN)	mg KOH/g	0.40	0.37	0.48	0.40

T: (772)461-3020
 F:

CONTAMINATION

Particles >4µm	▲ 83497	2057	946	394	
Particles >6µm	▲ 22094	168	178	97	
Particles >14µm	682	4	10	5	
ISO 4406:1999 (c)	24/22/17	18/15/9	17/15/10	16/14/10	
Silicon	ppm	1	2	1	2
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	0	0	0	<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 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	2	4	4	4
Copper	ppm	5	11	14	14
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	1	<1
Chromium	ppm	<1	2	2	2
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	68	65	63	66
Magnesium	ppm	7	3	0	3
Zinc	ppm	432	412	448	421
Phosphorus	ppm	355	354	355	323
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: BLUFOR
Unique No: 10671855
Signed: Don Baldrige
Report Date: 02 Oct 2023

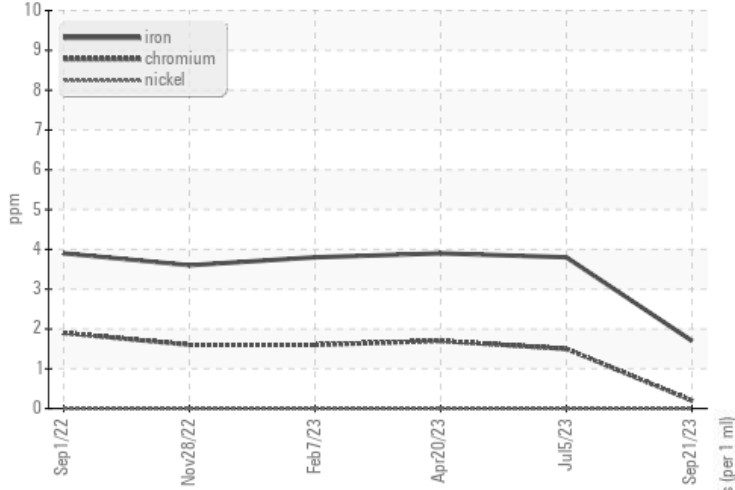


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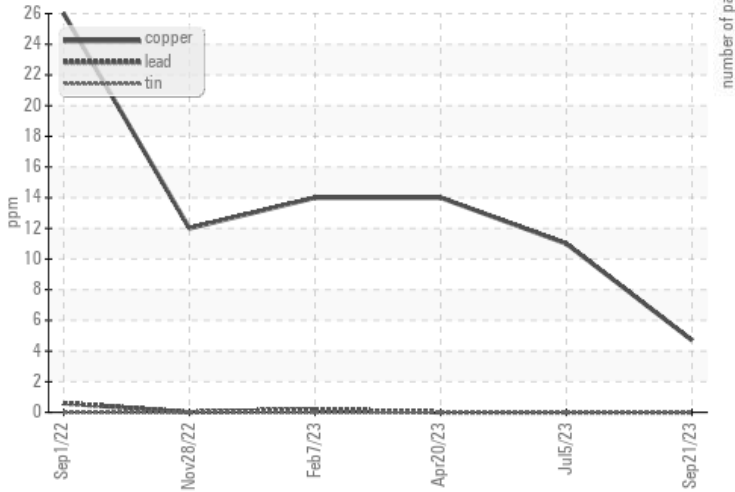


GRAPHS

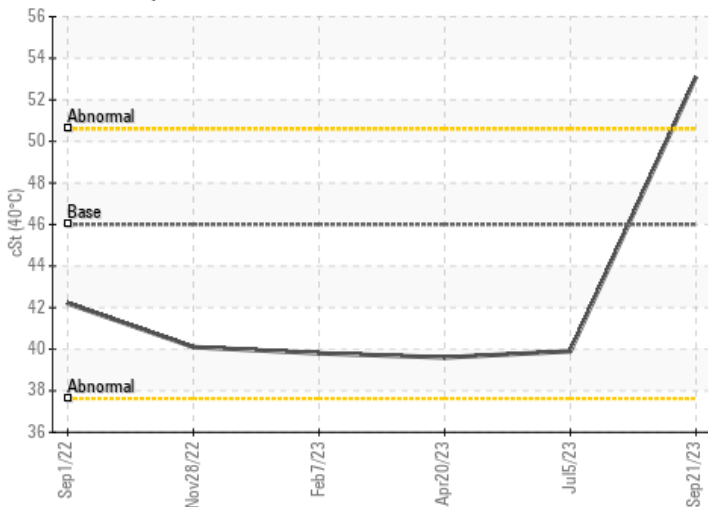
Ferrous Alloys



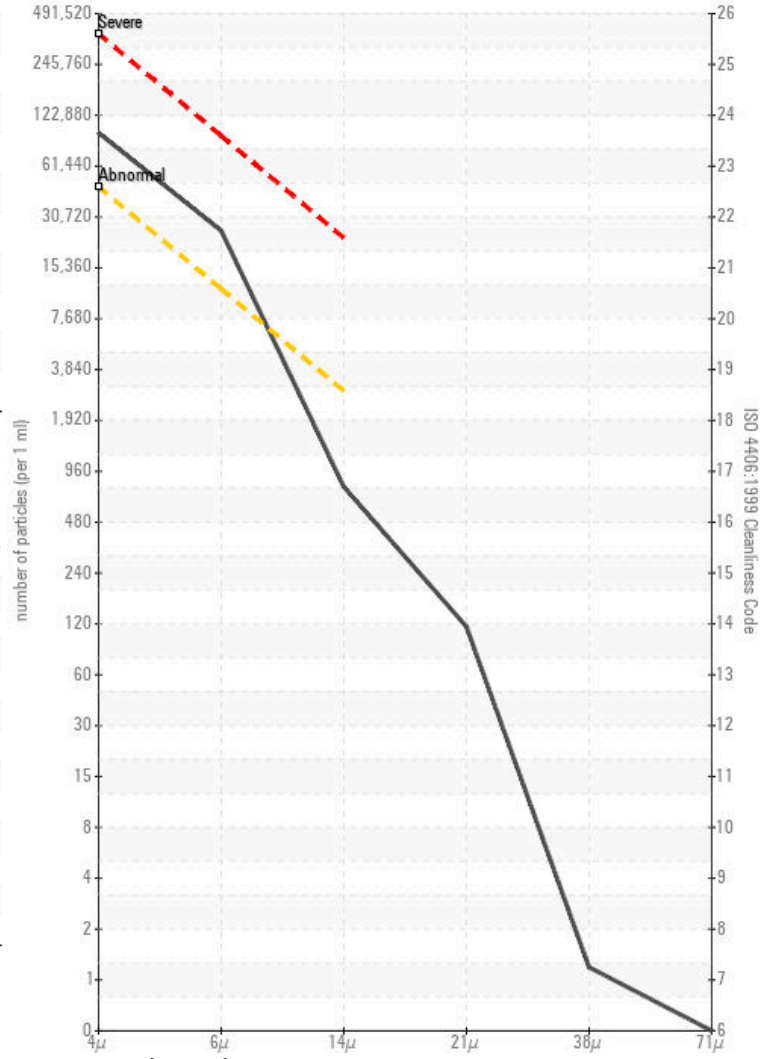
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

