



CONSTRUCTION EQUIPMENT

703135 364142 VOLVO L90G 3781 - HYDRAULIC SYSTEM



Sample No: VCP451314
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 703135



SAMPLE INFORMATION

Sample Number	VCP451314	VCP431584	VCP425706	VCP364020
Sample Date	25 Apr 2024	08 Dec 2023	09 May 2023	11 Oct 2022
Machine Hours	11272	10906	10350	9569
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

TRADEMARK METALS RECYCLING - DAYTONA-HOLLY HILL
 402 3RD ST
 HOLLY HILL, FL
 US 32117
 Contact: RYAN BOWDEN

OIL CONDITION

Visc @ 40°C	cSt	▲ 59.8	▲ 60.3	▲ 54.8	▲ 53.02
Acid Number (AN)	mg KOH/g	■ 0.41	■ 0.42	■ 0.34	■ 0.35

T: (386)255-1453
 F: (386)254-2874

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		▲ 62813	▲ 20793	■ 4007	■ 5427
Particles >6µm		▲ 20211	▲ 3516	■ 739	■ 854
Particles >14µm		▲ 1211	■ 104	■ 23	■ 25
ISO 4406:1999 (c)		23/22/17	22/19/14	19/17/12	20/17/12
Silicon	ppm	■ <1	■ <1	■ 2	■ 4
Sodium	ppm	■ 2	■ 2	■ 0	■ 2
Potassium	ppm	■ 0	■ 2	■ 0	■ 0

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 particulates present in the oil. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

WEAR METALS

Iron	ppm	■ 2	■ 0	■ <1	■ 3
Copper	ppm	■ <1	■ 0	■ 0	■ 1
Lead	ppm	■ 0	■ 0	■ 0	■ 0
Tin	ppm	■ 0	■ <1	■ 0	■ <1
Aluminum	ppm	■ 0	■ 0	■ 3	■ <1
Chromium	ppm	■ 0	■ 0	■ 0	■ <1
Molybdenum	ppm	■ 2	■ <1	■ 2	■ 4
Nickel	ppm	■ 0	■ <1	■ 0	■ 0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	■ 0	■ <1	■ <1	■ <1
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	■ 123	■ 56	■ 68	■ 98
Magnesium	ppm	■ 9	■ 14	■ 5	■ 18
Zinc	ppm	■ 451	■ 483	■ 427	■ 442
Phosphorus	ppm	■ 360	■ 366	■ 343	■ 342
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 0	■ 1	■ 1	■ <1

Depot: TRADAY
Unique No: 11006351
Signed: Don Baldrige
Report Date: 03 May 2024

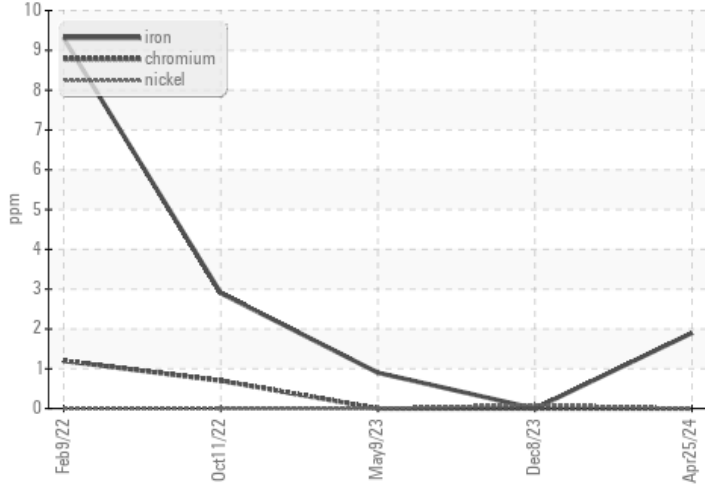


CONSTRUCTION EQUIPMENT

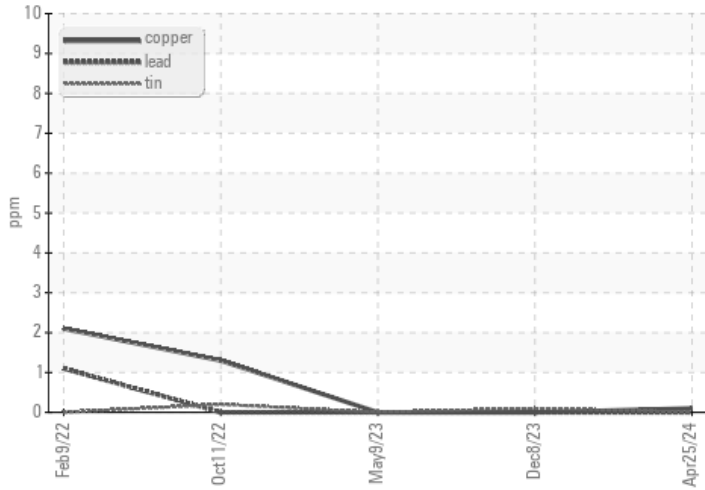


VOLVO GRAPHS

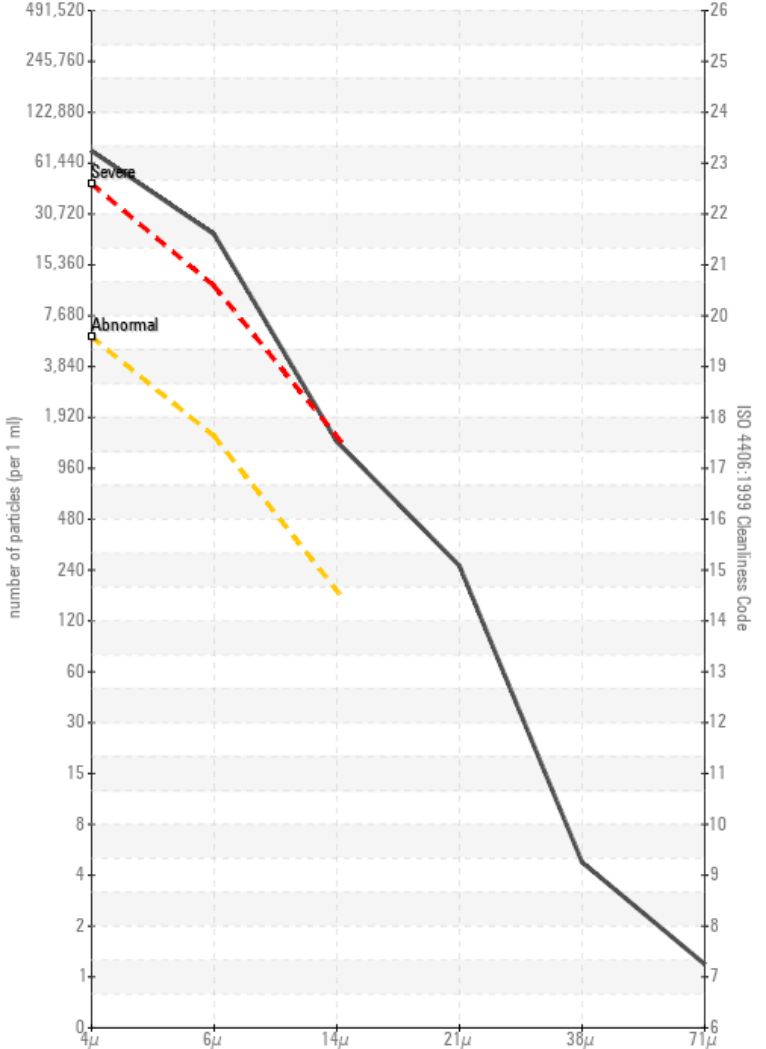
Ferrous Alloys



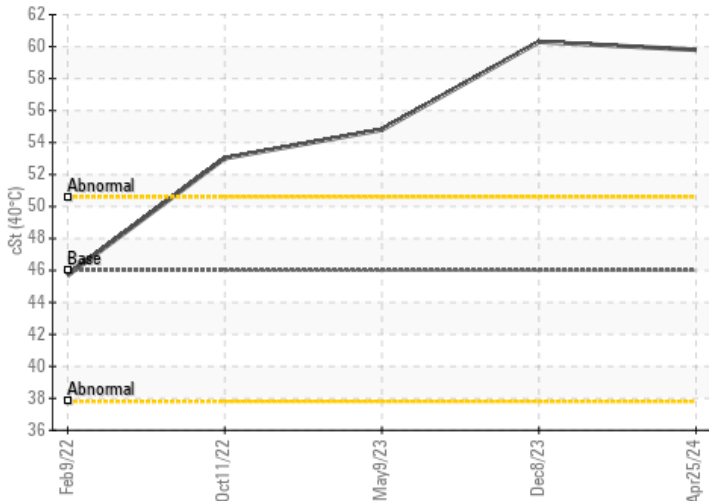
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number

