



CONSTRUCTION EQUIPMENT

11040 VOLVO L90H 624901 - HYDRAULIC SYSTEM



Sample No: VCP441757
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 11040



SAMPLE INFORMATION

Sample Number	VCP441757	VCBM001658	VCP365722	VCP361448
Sample Date	11 Sep 2023	07 Mar 2023	22 Nov 2022	14 Jul 2022
Machine Hours	8453	7635	7189	6680
Oil Hours	0	1000	0	2000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	ATTENTION	NORMAL	NORMAL

WASTE MGMT GROWS LANDFILL
 1121 BORDENTOWN ROAD
 MORRISVILLE, PA
 US 19067
 Contact: JIM

OIL CONDITION

Visc @ 40°C	cSt	41.5	41.8	41.9	42.2
Acid Number (AN)	mg KOH/g	0.36	0.30	0.35	0.37

T: (215)736-9490
 F: (215)736-0662

CONTAMINATION

Particles >4µm	7050	7087	2927	3704	
Particles >6µm	2377	1786	828	613	
Particles >14µm	228	102	98	37	
ISO 4406:1999 (c)	20/18/15	20/18/14	19/17/14	19/16/12	
Silicon	ppm	2	4	3	2
Sodium	ppm	8	6	2	4
Potassium	ppm	2	0	1	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	5	6	5	5
Copper	ppm	1	2	1	1
Lead	ppm	0	0	1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	0	<1
Chromium	ppm	2	3	2	2
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	61	73	64	62
Magnesium	ppm	3	0	2	<1
Zinc	ppm	456	501	444	441
Phosphorus	ppm	364	400	337	347
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	8

Depot: WASMOR
Unique No: 10659802
Signed: Wes Davis
Report Date: 24 Sep 2023

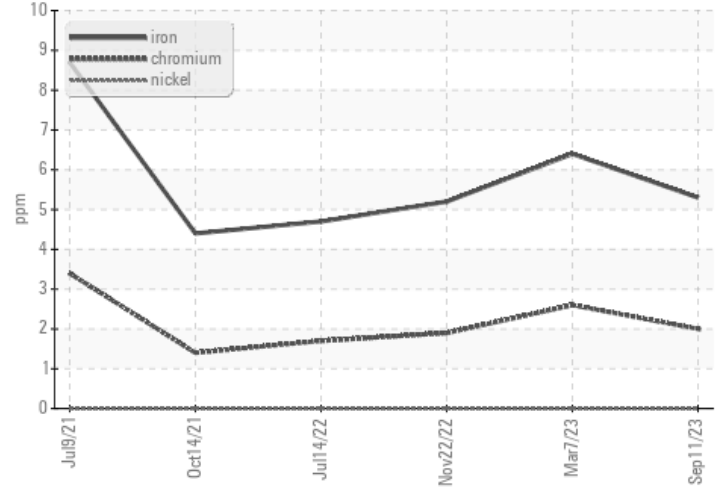


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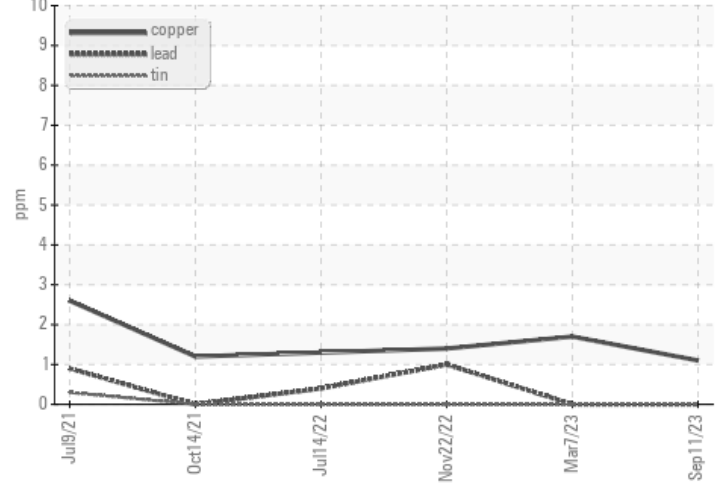


GRAPHS

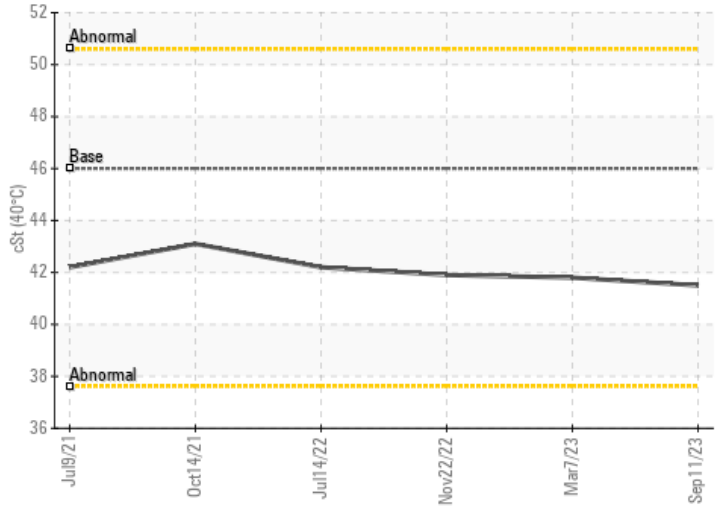
Ferrous Alloys



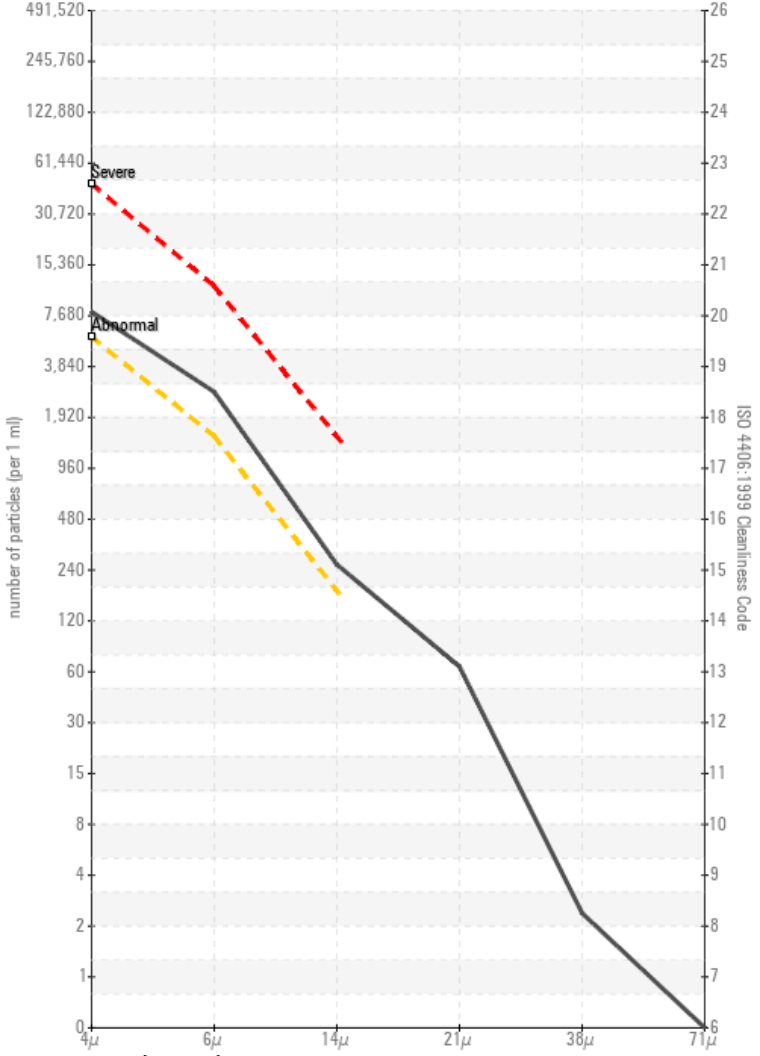
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

