



CONSTRUCTION EQUIPMENT

SPM593757 WM HODGKIN VOLVO L90H 624824 - HYDRAULIC SYSTEM



Sample No: VCP399653
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM593757 WM HODGKIN



SAMPLE INFORMATION

Sample Number	VCP399653	VCP404278	VCP404945	VCP387377
Sample Date	08 Aug 2023	18 May 2023	08 May 2023	10 Jan 2023
Machine Hours	9594	9211	9062	8600
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 40°C	cSt	43.3	42.1	42.1	42.3
Acid Number (AN)	mg KOH/g	0.41	0.44	0.60	0.52



CONTAMINATION

Particles >4µm		5380	3454	1527	2301
Particles >6µm		1439	765	234	562
Particles >14µm		67	40	21	32
ISO 4406:1999 (c)		20/18/13	19/17/12	18/15/12	18/16/12
Silicon	ppm	6	11	8	2
Sodium	ppm	2	4	<1	3
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 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	2	5	4	4
Copper	ppm	<1	1	<1	1
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	0	0	0	<1
Chromium	ppm	<1	1	<1	1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	0
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	61	71	72	69
Magnesium	ppm	3	7	5	6
Zinc	ppm	438	451	455	427
Phosphorus	ppm	359	377	356	363
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: VOLVO8885
Unique No: 10616088
Signed: Wes Davis
Report Date: 23 Aug 2023

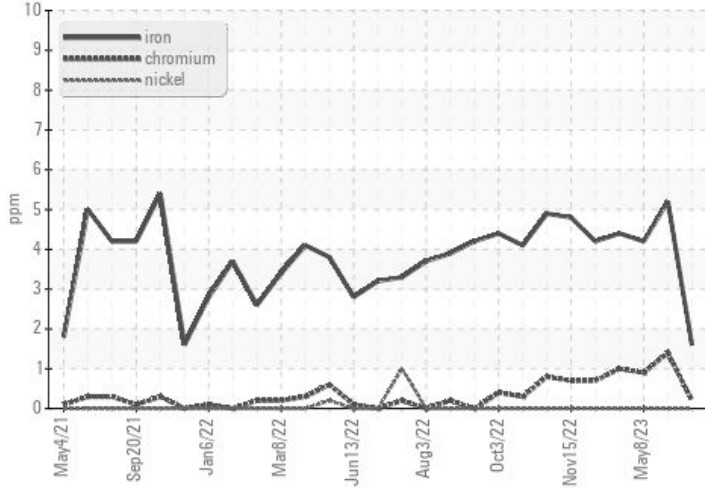


CONSTRUCTION EQUIPMENT

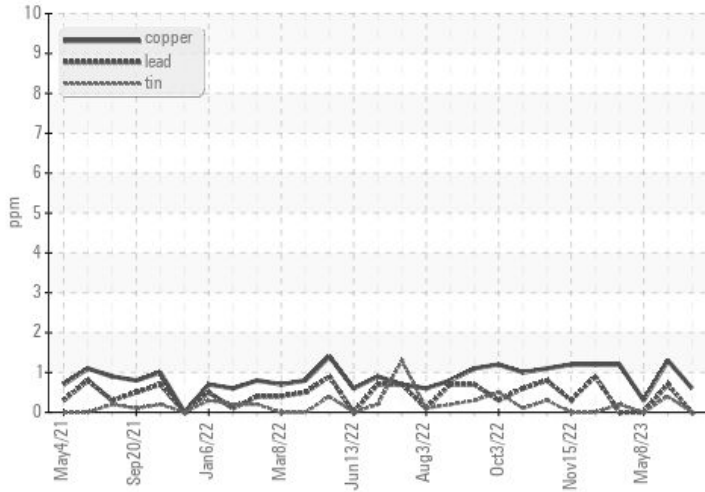


GRAPHS

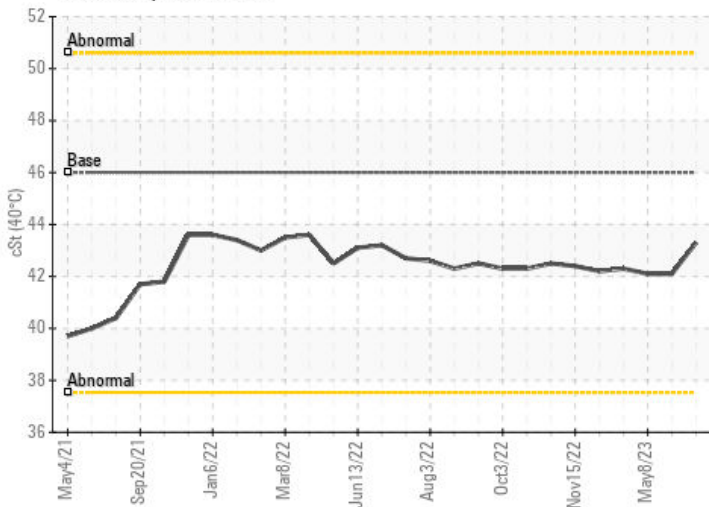
Ferrous Alloys



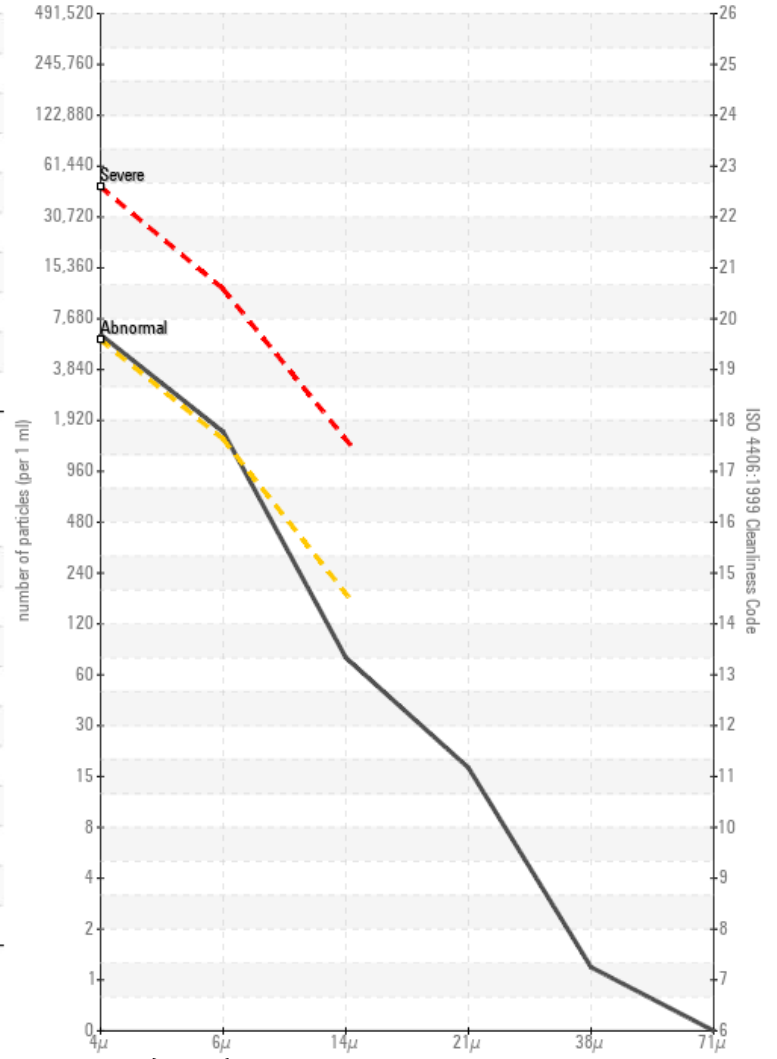
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

