



CONSTRUCTION EQUIPMENT

SPM553978 US GYPSUM VOLVO L180H 5572 - HYDRAULIC SYSTEM



Sample No: VCP422604
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM553978 US GYPSUM



SAMPLE INFORMATION

Sample Number	VCP422604	VCP419984	VCP364842	VCP365859
Sample Date	13 Jun 2023	14 Mar 2023	24 Jan 2023	02 Nov 2022
Machine Hours	4720	4201	3714	3006
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	ABNORMAL	ATTENTION	ABNORMAL	NORMAL

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5000 INDUSTRIAL HWY
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F:



OIL CONDITION

Visc @ 40°C	cSt	40.9	41.1	42.5	41.7
Acid Number (AN)	mg KOH/g	0.22	0.32	0.40	0.36



CONTAMINATION

Particles >4µm		13589	6063	15501	3913
Particles >6µm		1429	775	1472	507
Particles >14µm		56	46	23	28
ISO 4406:1999 (c)		21/18/13	20/17/13	21/18/12	19/16/12
Silicon	ppm	2	2	2	1
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	0	0	0

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	4	5	5	5
Copper	ppm	1	1	2	2
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	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	309	82	86	71
Magnesium	ppm	2	1	3	2
Zinc	ppm	483	411	393	441
Phosphorus	ppm	374	359	348	344
Barium	ppm	0	0	0	0
Boron	ppm	6	0	0	0

Depot: VOLVO8885
Unique No: 10548645
Signed: Wes Davis
Report Date: 10 Jul 2023

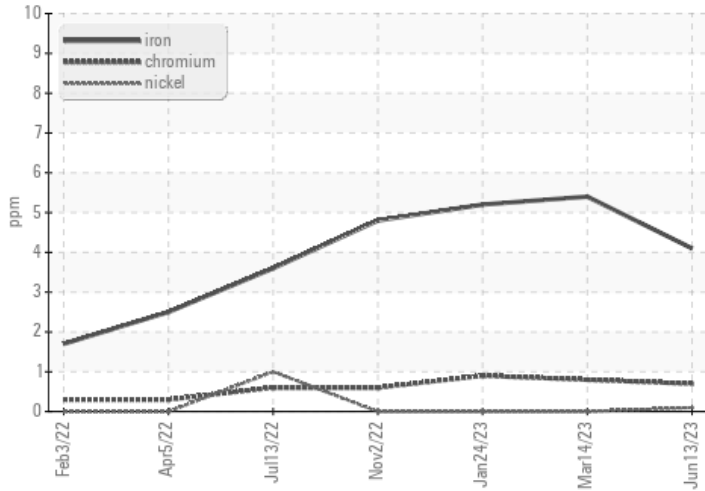


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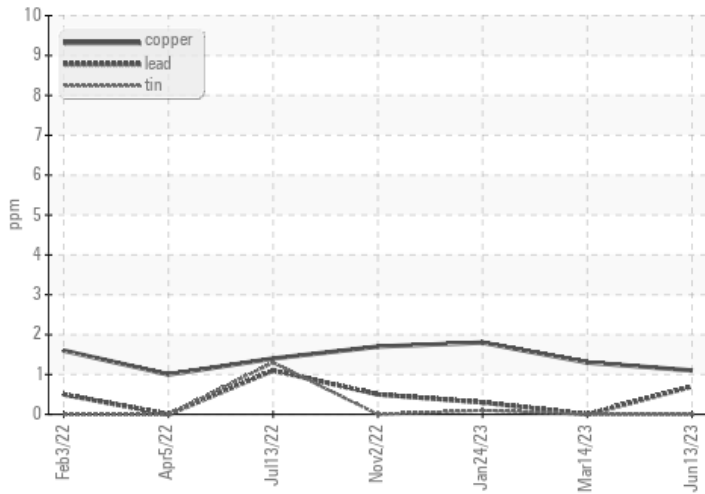


VOLVO GRAPHS

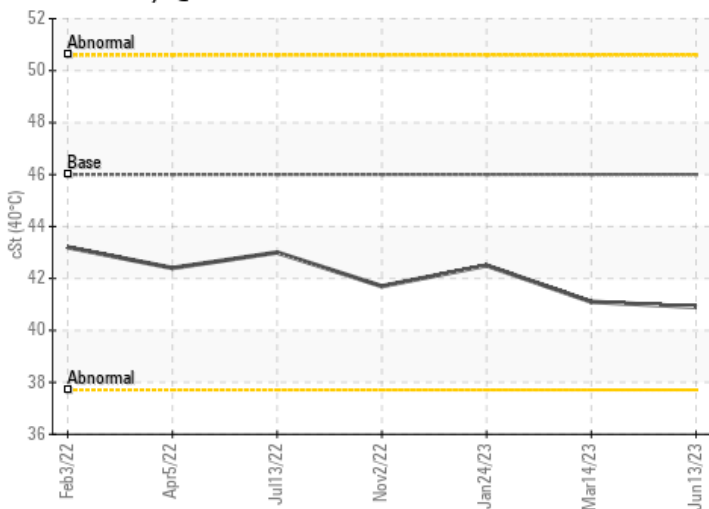
Ferrous Alloys



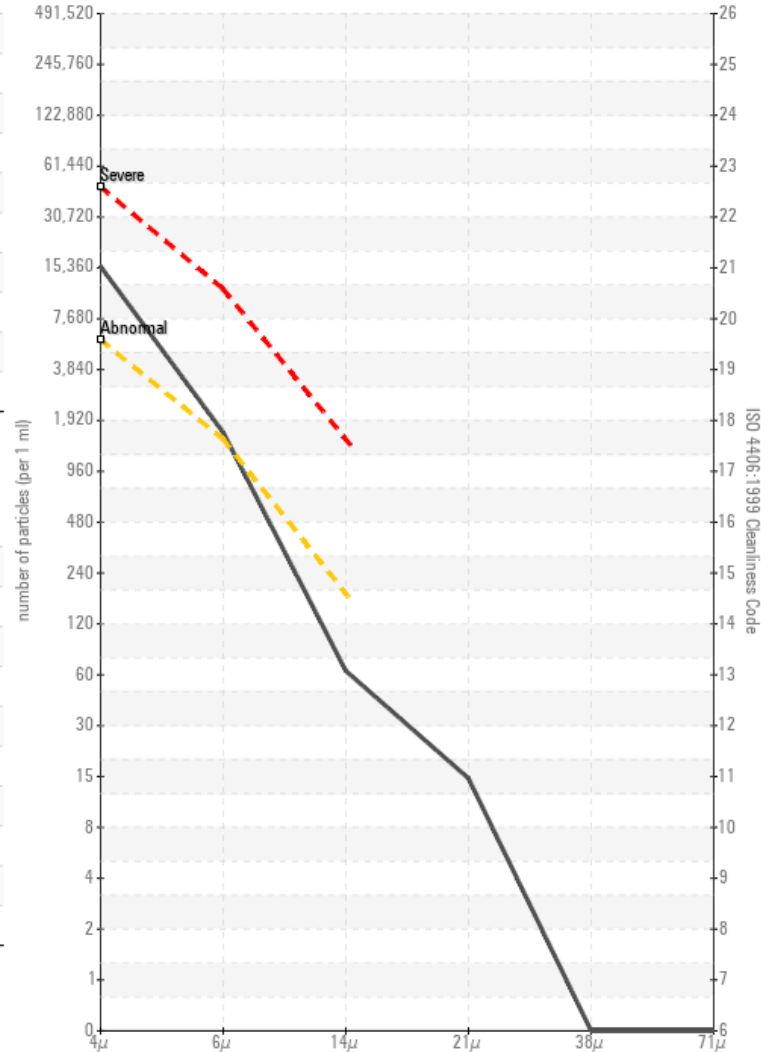
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

