



CONSTRUCTION EQUIPMENT

SWO-064724 VOLVO A45G 352705 - HYDRAULIC SYSTEM



Sample No: VCP411891
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWO-064724



SAMPLE INFORMATION

Sample Number	VCP411891	VCP402781	VCP380764	VCP380020
Sample Date	09 Aug 2023	14 Apr 2023	17 Jan 2023	18 Oct 2022
Machine Hours	4958	4480	3993	3475
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	44.3	44.5	44.3	44.3
Acid Number (AN)	mg KOH/g	0.36	0.39	0.35	0.36

CONTAMINATION

Particles >4µm		2546	5849	832	2798
Particles >6µm		707	1619	148	815
Particles >14µm		36	87	5	65
ISO 4406:1999 (c)		19/17/12	20/18/14	17/14/10	19/17/13
Silicon	ppm	5	5	6	6
Sodium	ppm	2	<1	0	0
Potassium	ppm	2	0	1	1

Diagnosis
 Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	4	4	7	5
Copper	ppm	5	5	2	7
Lead	ppm	3	0	3	2
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	75	68	78	75
Magnesium	ppm	5	3	2	3
Zinc	ppm	409	401	446	437
Phosphorus	ppm	331	311	326	326
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	<1

Depot: SAIBIR
Unique No: 10607135
Signed: Jonathan Hester
Report Date: 21 Aug 2023

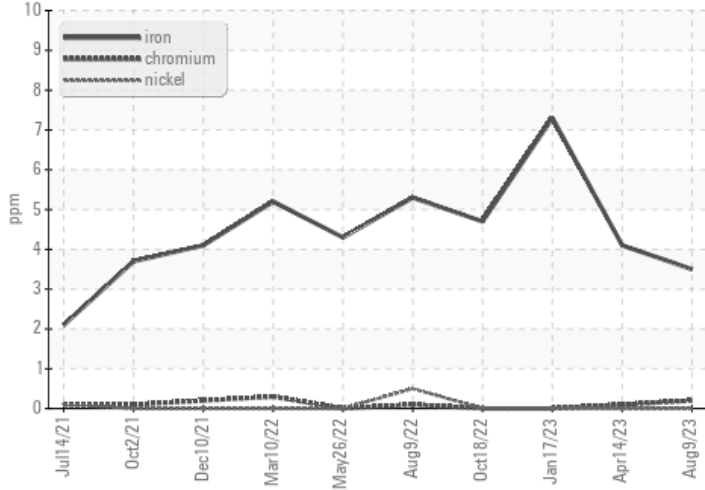


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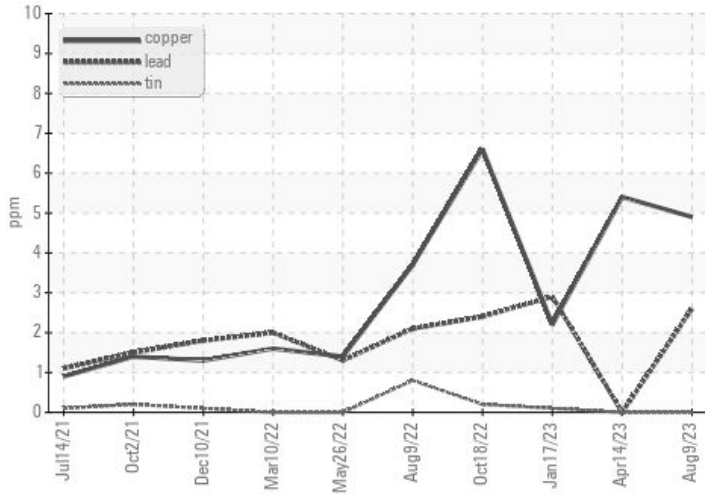


VOLVO GRAPHS

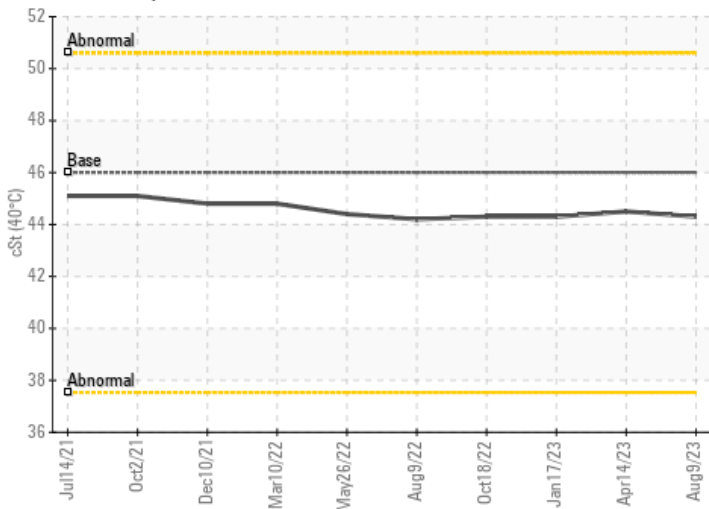
Ferrous Alloys



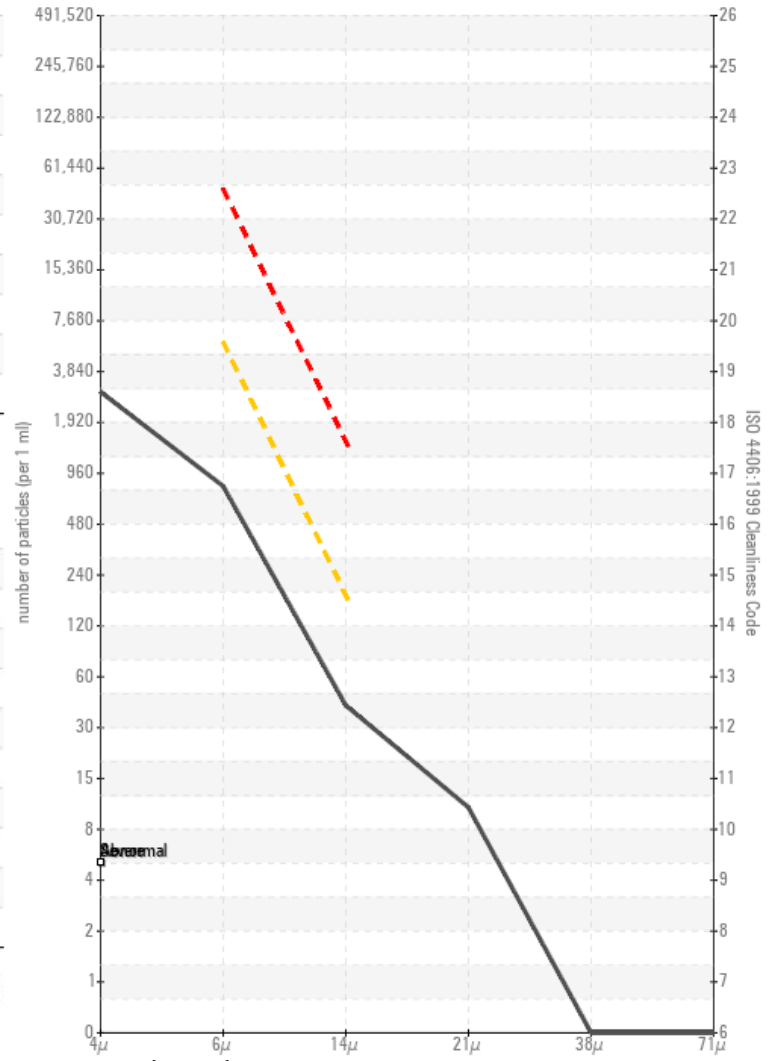
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

