



CONSTRUCTION EQUIPMENT

579444 DIPRO VOLVO A40G 353052 - HYDRAULIC SYSTEM



Sample No: VCP414170
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 579444 DIPRO



SAMPLE INFORMATION

Sample Number	VCP414170	VCP399474	VCP403671	VCP388375
Sample Date	11 Jul 2023	20 Mar 2023	05 Jan 2023	11 Oct 2022
Machine Hours	5162	3963	3166	2033
Oil Hours	1000	3963	3166	2033
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ATTENTION	NORMAL

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: PAUL CONZ
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 T: (313)348-8861
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OIL CONDITION

Visc @ 40°C	cSt	43.9	42.6	42.9	43.2
Acid Number (AN)	mg KOH/g	0.33	0.27	0.30	0.34



CONTAMINATION

Particles >4µm		16610	43015	16055	14493
Particles >6µm		3123	9524	4155	1635
Particles >14µm		123	484	202	79
ISO 4406:1999 (c)		21/19/14	23/20/16	21/19/15	21/18/13
Silicon	ppm	2	5	5	4
Sodium	ppm	2	1	0	0
Potassium	ppm	<1	<1	<1	1



WEAR METALS

Iron	ppm	6	10	8	6
Copper	ppm	<1	1	1	1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	<1
Chromium	ppm	1	2	1	<1
Molybdenum	ppm	<1	<1	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	30	60	61	62
Magnesium	ppm	3	2	2	2
Zinc	ppm	476	421	435	436
Phosphorus	ppm	381	314	319	314
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO2990
Unique No: 10559884
Signed: Wes Davis
Report Date: 17 Jul 2023

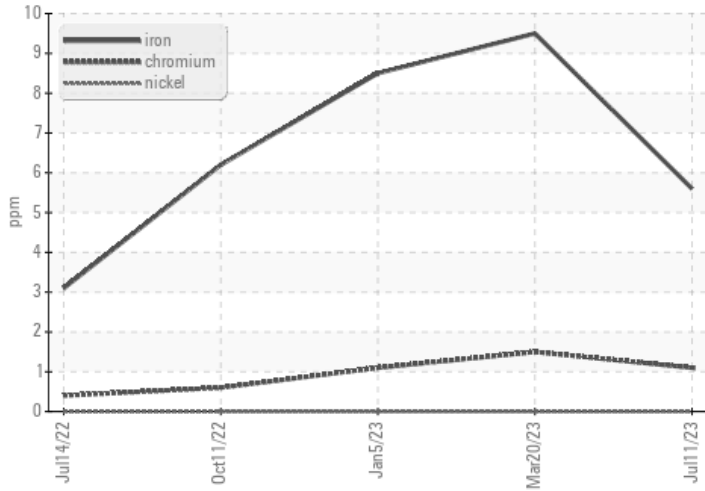


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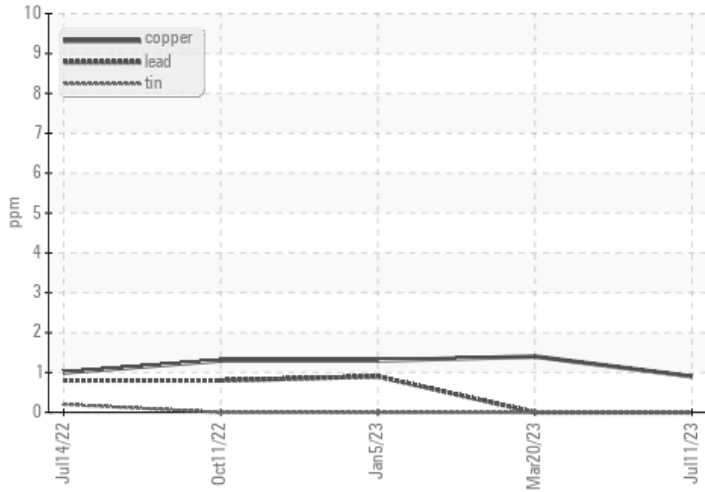


VOLVO GRAPHS

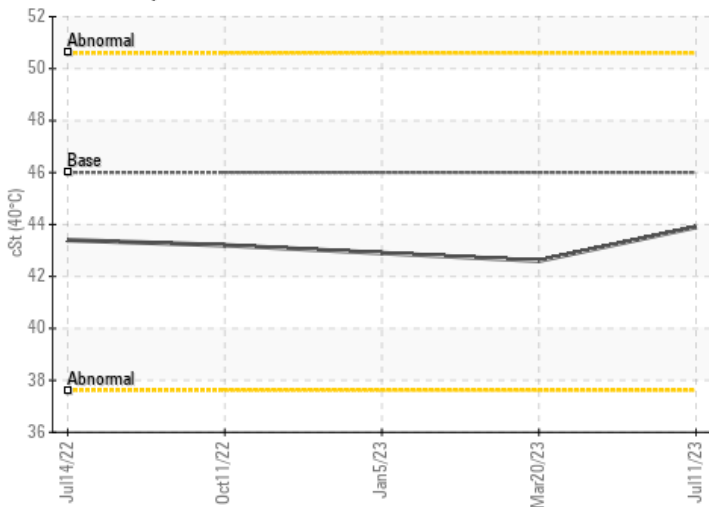
Ferrous Alloys



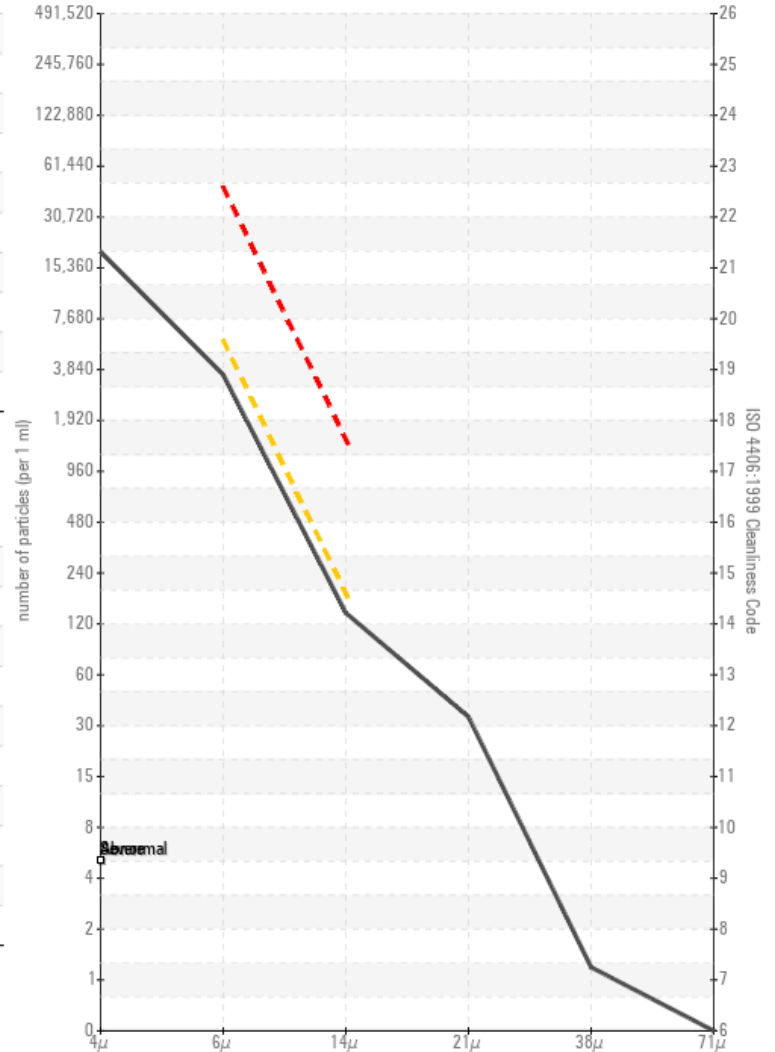
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

