



CONSTRUCTION EQUIPMENT

VOLVO A60H 340099 - HYDRAULIC SYSTEM



Sample No: VCP416646
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP416646	VCP405923	VCP370849	VCP366749
Sample Date	18 Jul 2023	27 Mar 2023	14 Oct 2022	26 Jul 2022
Machine Hours	7491	7019	6595	6024
Oil Hours	0	0	0	6024
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ATTENTION	ATTENTION	ABNORMAL	ATTENTION

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 T: (205)943-2268
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OIL CONDITION

Visc @ 40°C	cSt	42.9	41.7	41.2	41.2
Acid Number (AN)	mg KOH/g	0.38	0.35	0.39	0.41



CONTAMINATION

Particles >4µm	4496	9434	12288	5579	
Particles >6µm	1539	1208	3827	1399	
Particles >14µm	134	41	201	108	
ISO 4406:1999 (c)	19/18/14	20/17/13	21/19/15	20/18/14	
Silicon	ppm	5	10	11	10
Sodium	ppm	0	4	<1	4
Potassium	ppm	2	<1	2	0

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. 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 condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	10	20	21	16
Copper	ppm	3	7	8	7
Lead	ppm	1	0	3	2
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	4	3	4
Chromium	ppm	2	6	6	5
Molybdenum	ppm	1	<1	1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	111	74	86	74
Magnesium	ppm	8	6	6	5
Zinc	ppm	463	444	457	439
Phosphorus	ppm	352	338	346	344
Barium	ppm	1	0	1	<1
Boron	ppm	0	0	3	0

Depot: SAIBIR
Unique No: 10574248
Signed: Don Baldrige
Report Date: 28 Jul 2023

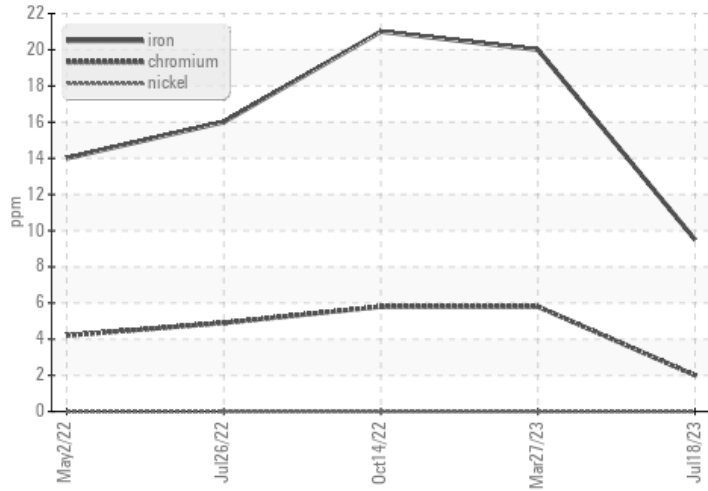


CONSTRUCTION EQUIPMENT

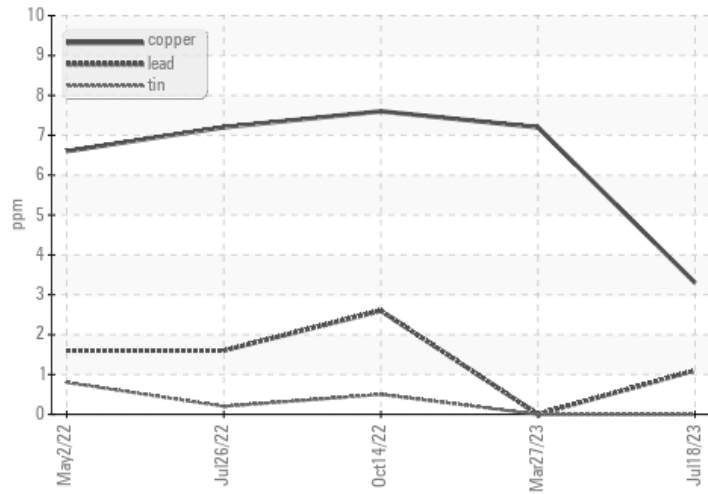


VOLVO GRAPHS

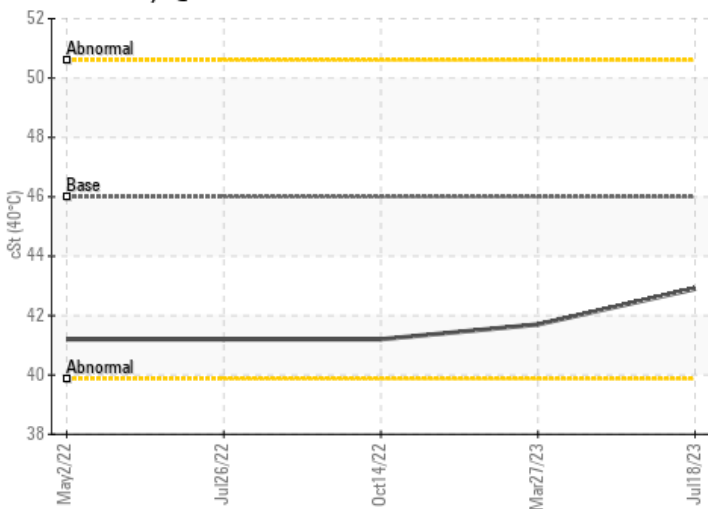
Ferrous Alloys



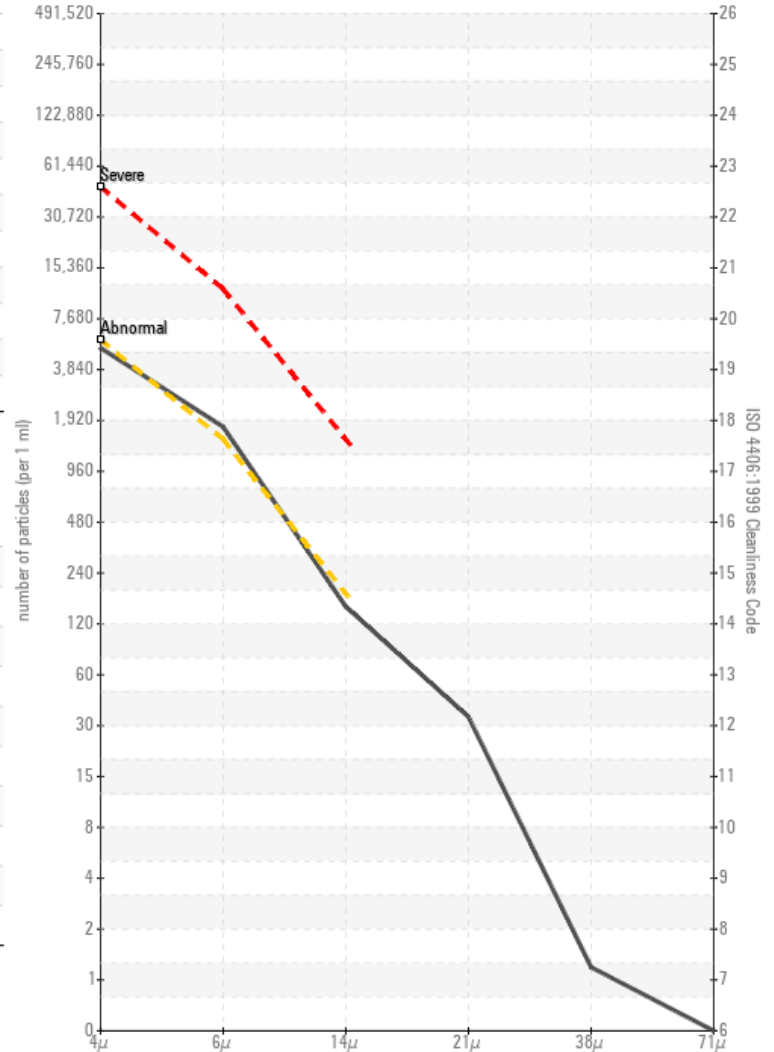
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

