



CONSTRUCTION EQUIPMENT

SWO068681 VOLVO A30G 752673 - HYDRAULIC SYSTEM



Sample No: VCP433316
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO068681



SAMPLE INFORMATION

Sample Number	VCP433316	VCP435433	VCP423987	VCP383827
Sample Date	06 Dec 2023	27 Sep 2023	23 Jun 2023	02 Dec 2022
Machine Hours	1983	1495	987	490
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	43.9	44.1	44.8	45.1
Acid Number (AN)	mg KOH/g	0.40	0.40	0.41	0.42

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		9766	7370	4661	14935
Particles >6µm		2548	1823	1726	6368
Particles >14µm		94	107	98	284
ISO 4406:1999 (c)		20/19/14	20/18/14	19/18/14	21/20/15
Silicon	ppm	3	3	3	2
Sodium	ppm	3	0	2	0
Potassium	ppm	0	<1	1	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.

WEAR METALS

Iron	ppm	0	5	2	2
Copper	ppm	4	3	3	2
Lead	ppm	<1	2	2	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	0	0	0	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	57	57	52	66
Magnesium	ppm	0	<1	7	0
Zinc	ppm	412	441	400	392
Phosphorus	ppm	312	318	311	314
Barium	ppm	0	0	2	0
Boron	ppm	0	0	0	0

Depot: SAIBIR
Unique No: 10780276
Signed: Don Baldrige
Report Date: 13 Dec 2023

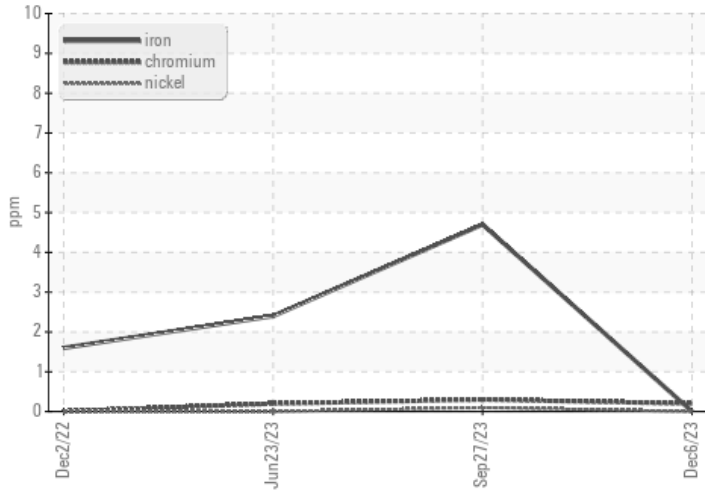


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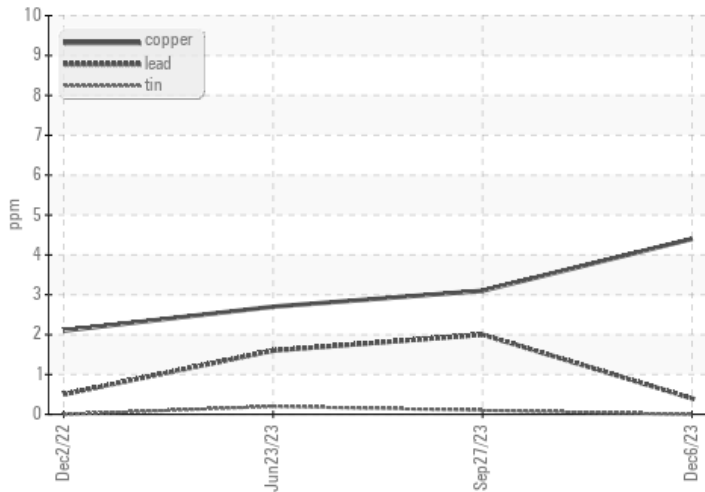


GRAPHS

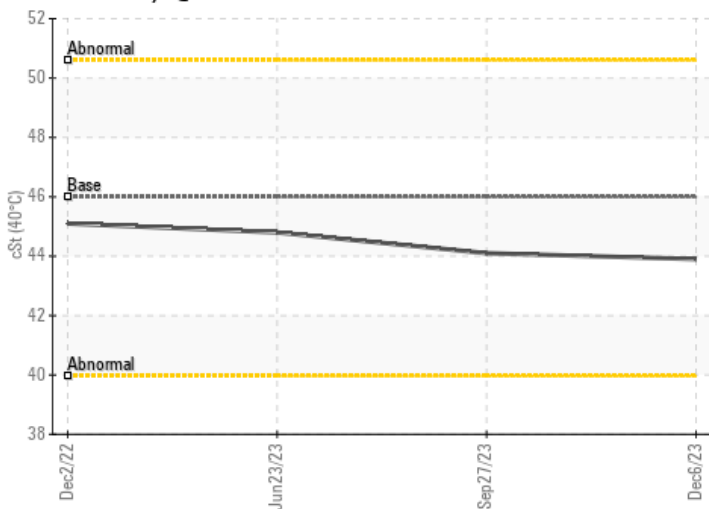
Ferrous Alloys



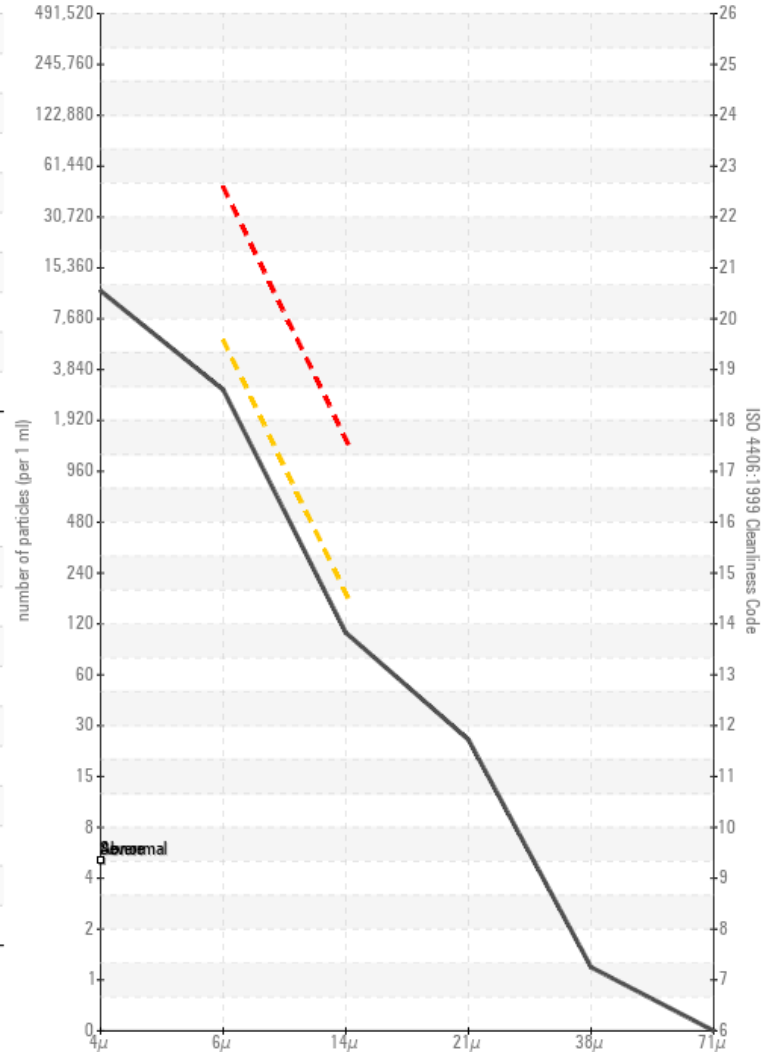
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

