



CONSTRUCTION EQUIPMENT

SWO067659 VOLVO A30G 752677 - HYDRAULIC SYSTEM



Sample No: VCP435997
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWO067659



SAMPLE INFORMATION

Sample Number	VCP435997	VCP433859	VCP424143	VCP368398
Sample Date	16 Nov 2023	18 Sep 2023	23 Jun 2023	18 Nov 2022
Machine Hours	2403	1919	2405	915
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ATTENTION	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.0	43.3	43.6	43.9
Acid Number (AN)	mg KOH/g	0.38	0.40	0.43	0.43



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		14537	6200	4657	1443
Particles >6µm		4824	2493	1592	344
Particles >14µm		385	220	94	14
ISO 4406:1999 (c)		21/19/16	20/18/15	19/18/14	18/16/11
Silicon	ppm	3	3	3	2
Sodium	ppm	0	0	2	1
Potassium	ppm	<1	<1	2	0

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates 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	6	6	4	2
Copper	ppm	3	3	3	2
Lead	ppm	2	2	2	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	<1	0	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	<1	0	<1	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	57	53	47	48
Magnesium	ppm	1	<1	7	0
Zinc	ppm	429	411	395	412
Phosphorus	ppm	351	310	312	318
Barium	ppm	0	0	2	1
Boron	ppm	0	0	0	0

Depot: SAIBIR
Unique No: 10754152
Signed: Don Baldrige
Report Date: 26 Nov 2023

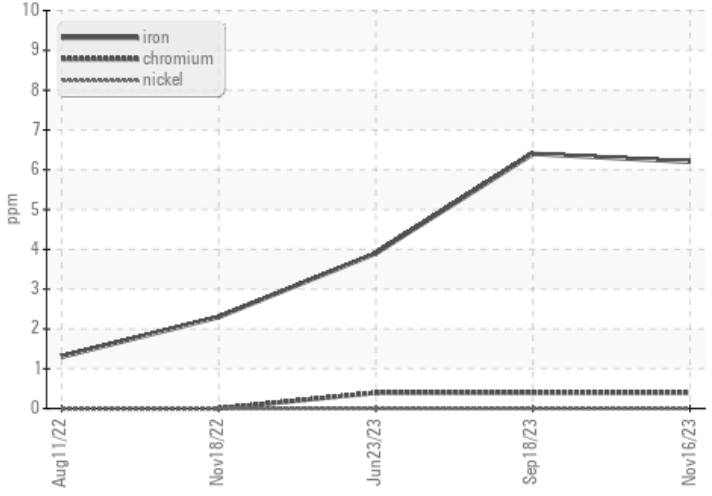


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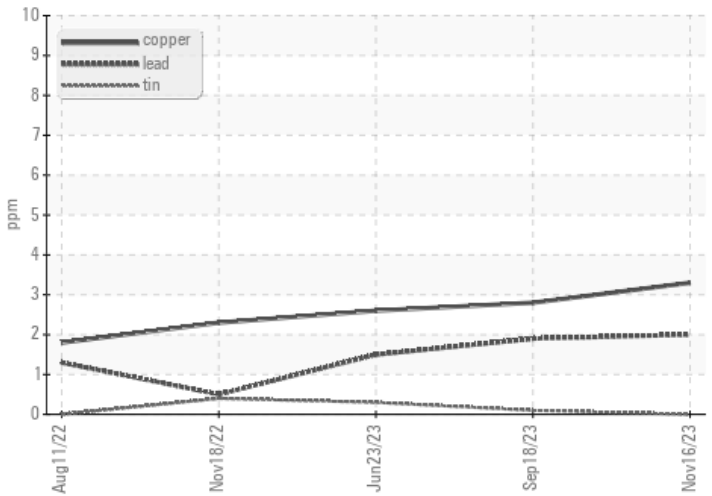


GRAPHS

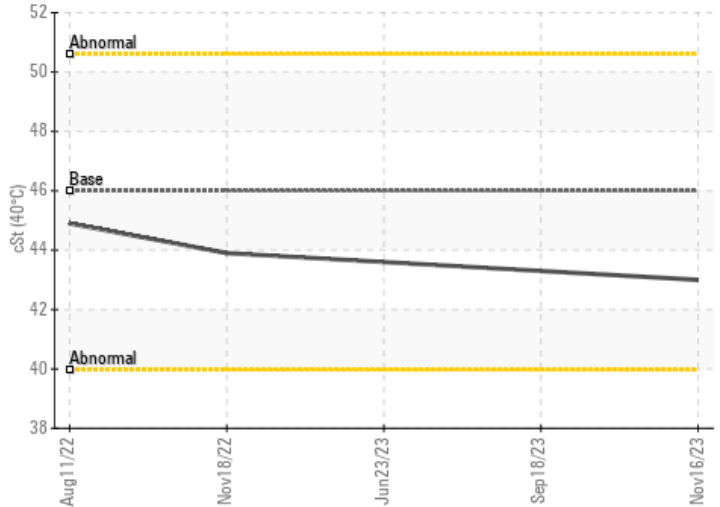
Ferrous Alloys



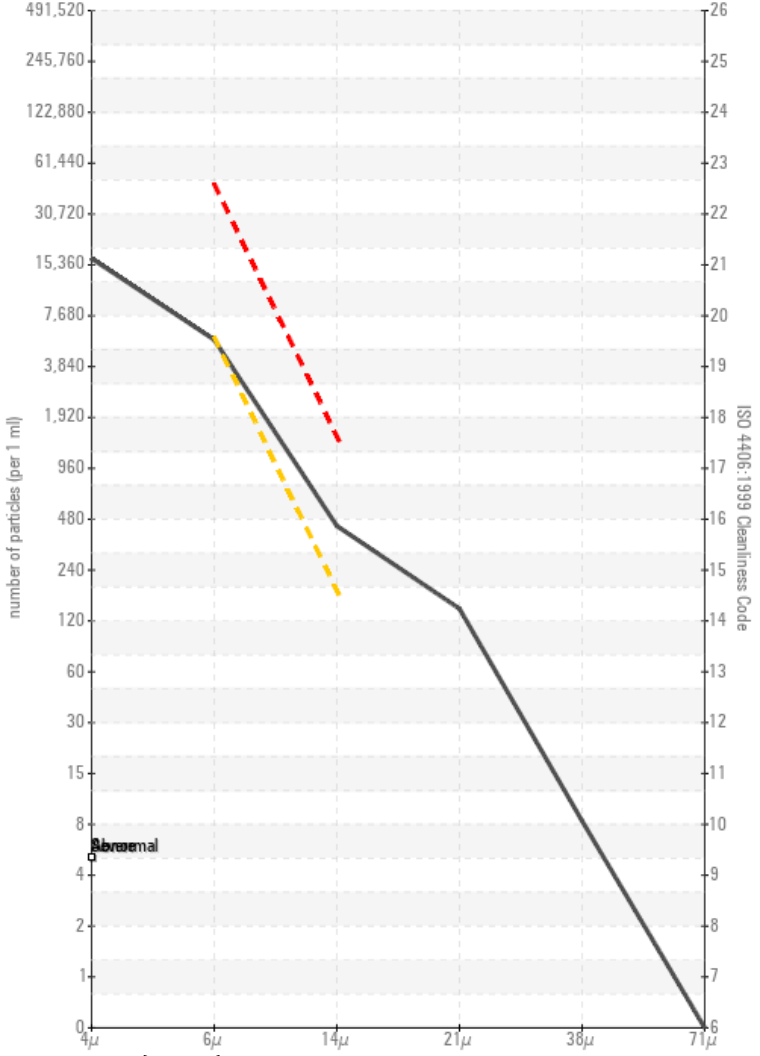
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

