



CONSTRUCTION EQUIPMENT

VOLVO A30G 752372 - HYDRAULIC SYSTEM



Sample No: VCP434679
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP434679	VCP427187	VCP357108	VCP410811
Sample Date	09 Feb 2024	25 Aug 2023	13 Jul 2023	28 Feb 2023
Machine Hours	2500	3000	3000	2500
Oil Hours	500	1000	1000	500
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SANTA ROSA COUNTY LANDFILLS
 6337 DA LISA RD
 MILTON, FL
 US 32583
 Contact: ROLAND MCKINNON
 rolandm@santarosa.fl.gov
 T: (850)777-0573
 F:

OIL CONDITION

Visc @ 40°C	cSt	43.5	43.2	43.5	44.2
Acid Number (AN)	mg KOH/g	0.39	0.35	0.39	0.40

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1599	887	319	1695
Particles >6µm		281	283	77	342
Particles >14µm		16	41	12	24
ISO 4406:1999 (c)		18/15/11	17/15/13	15/13/11	18/16/12
Silicon	ppm	4	4	4	4
Sodium	ppm	2	2	1	1
Potassium	ppm	2	0	<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	10	12	12	9
Copper	ppm	4	4	4	4
Lead	ppm	3	2	2	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	4	4	4	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	68	68	78	65
Magnesium	ppm	4	0	0	0
Zinc	ppm	445	459	486	388
Phosphorus	ppm	348	357	375	302
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: SANMILFL
Unique No: 10885843
Signed: Wes Davis
Report Date: 20 Feb 2024

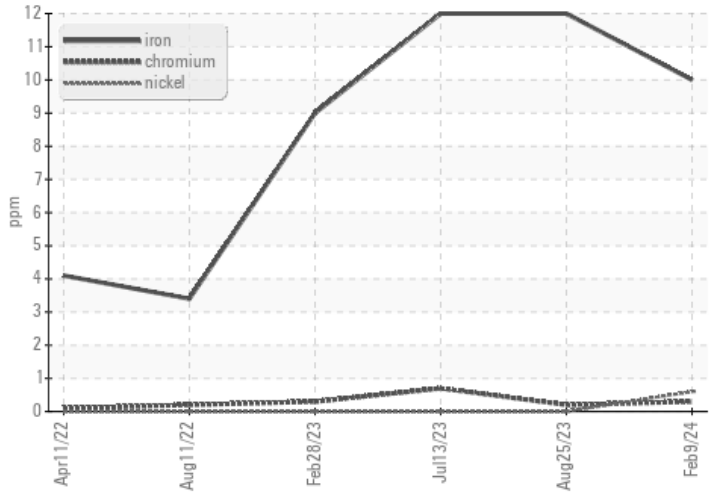


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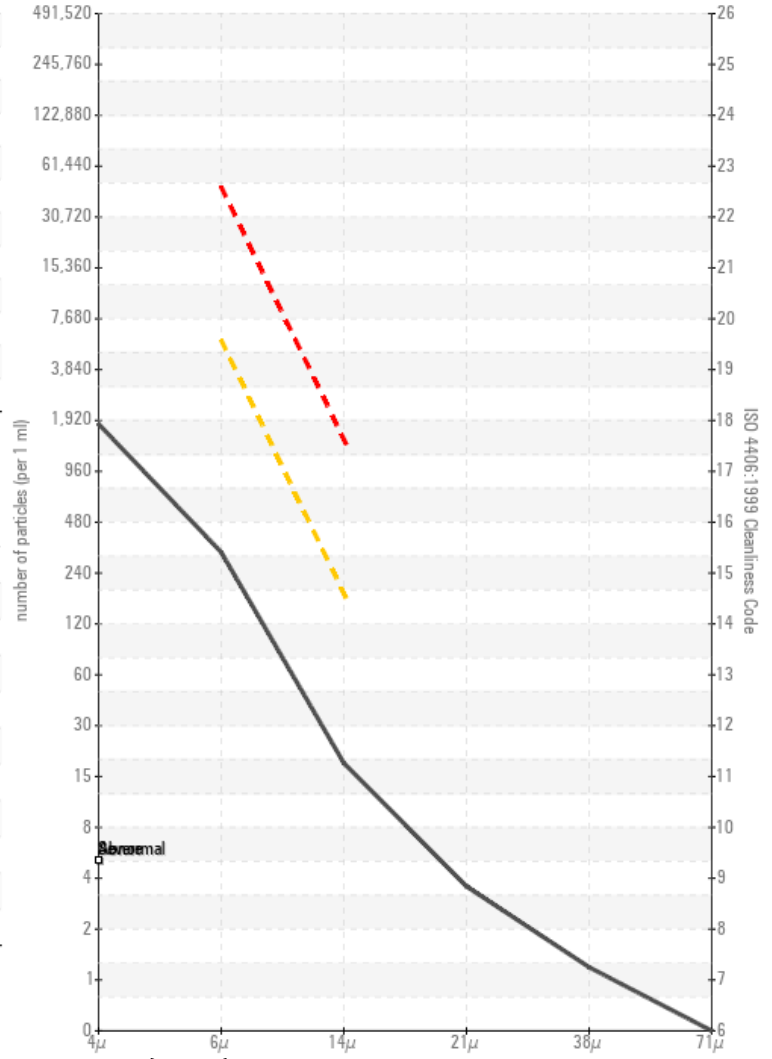


VOLVO GRAPHS

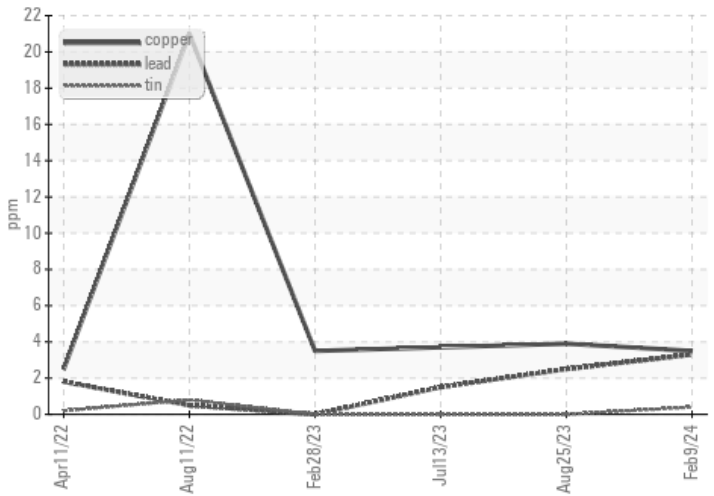
Ferrous Alloys



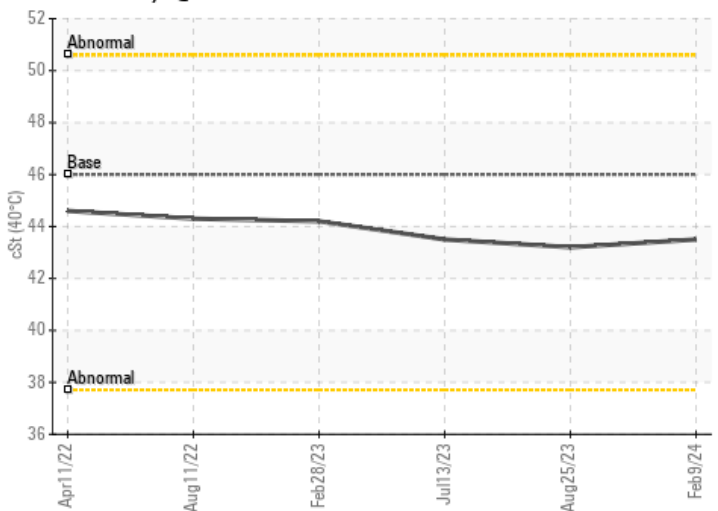
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

