



CONSTRUCTION EQUIPMENT

VOLVO A30G 752143 - HYDRAULIC SYSTEM



Sample No: VCP454174
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP454174	VCP454175	VCP416413	VCP392709
Sample Date	12 Jan 2024	11 Jan 2024	04 Oct 2023	04 Mar 2023
Machine Hours	5963	5963	5463	4274
Oil Hours	0	0	0	4274
Oil Changed	N/A	N/A	Not Changd	Changed
Sample Status	ATTENTION	---	NORMAL	NORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	45.3	44.6	44.2	44.5
Acid Number (AN)	mg KOH/g	0.31	0.34	0.742	0.36



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		37789	3347	5092	1468
Particles >6µm		▲ 9219	839	810	363
Particles >14µm		▲ 216	50	35	13
ISO 4406:1999 (c)		22/20/15	19/17/13	20/17/12	18/16/11
Silicon	ppm	2	2	1	4
Sodium	ppm	3	4	<1	4
Potassium	ppm	2	2	0	0

Diagnosis
 The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light 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	5	5	2	12
Copper	ppm	5	5	2	9
Lead	ppm	3	3	<1	4
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	1	1	0	1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	71	70	68	74
Magnesium	ppm	4	4	1	4
Zinc	ppm	443	444	438	454
Phosphorus	ppm	360	364	328	350
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: RIPTAM
Unique No: 10863379
Signed: Wes Davis
Report Date: 07 Feb 2024

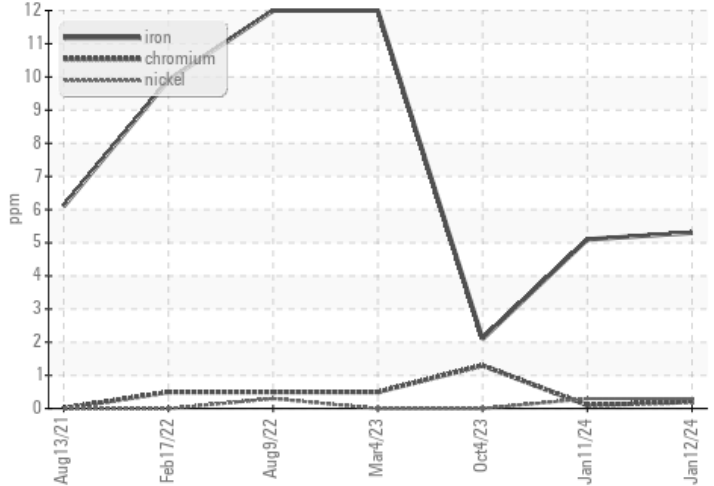


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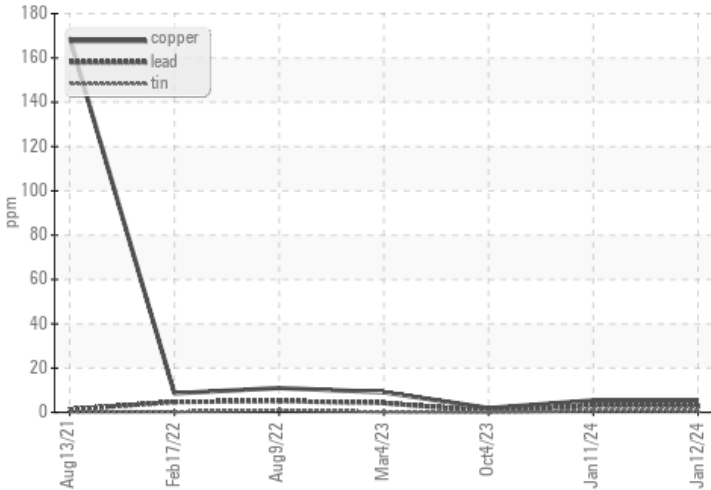


VOLVO GRAPHS

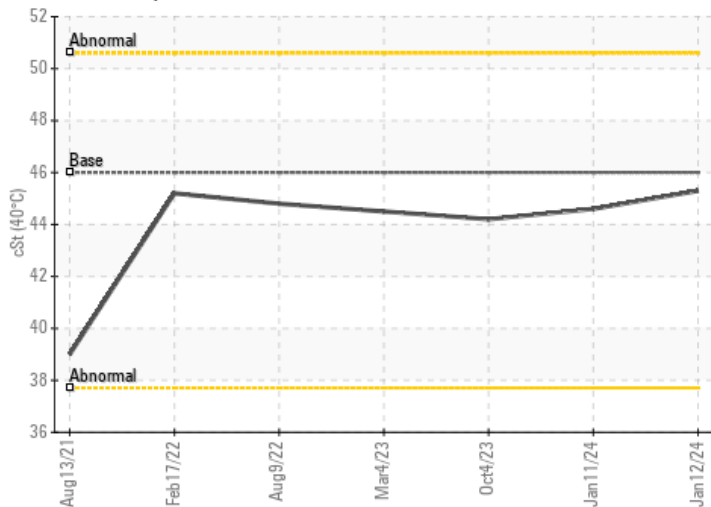
Ferrous Alloys



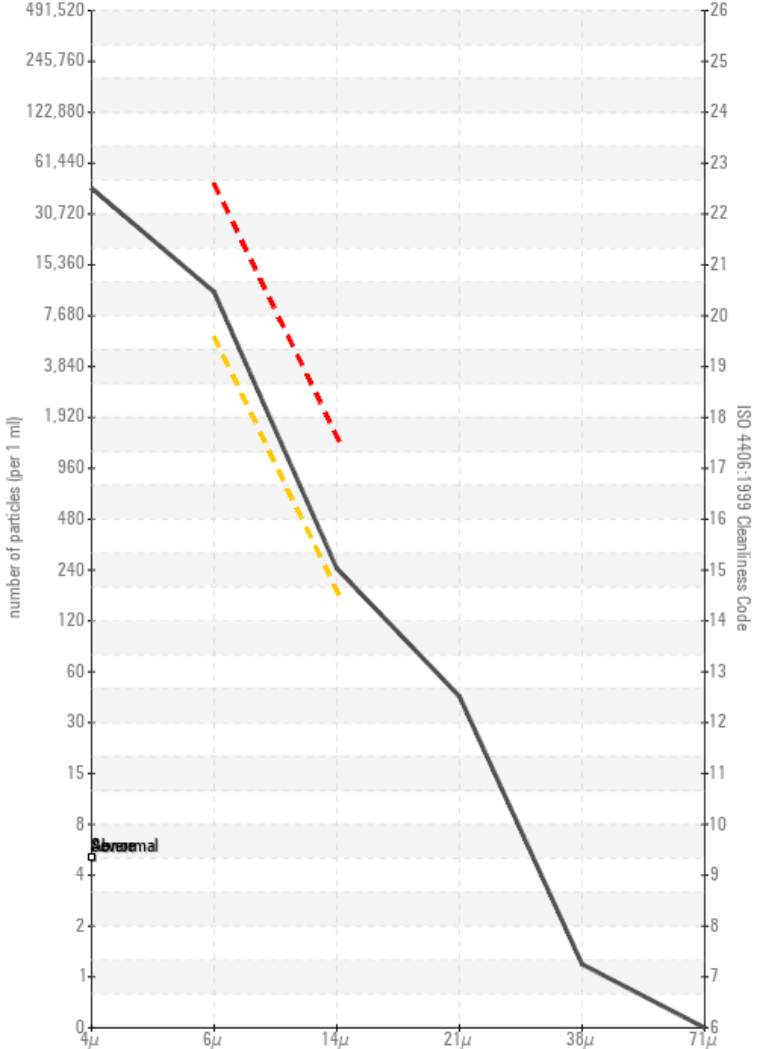
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

