



CONSTRUCTION EQUIPMENT

674384 VOLVO A30G 753001 - HYDRAULIC SYSTEM



Sample No: VCP445974
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 674384



SAMPLE INFORMATION

Sample Number	VCP445974	VCP432377	VCP411688	VCP425692
Sample Date	14 Feb 2024	12 Dec 2023	18 Jul 2023	05 May 2023
Machine Hours	2293	1980	999	510
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

BLUE GOOSE GROWERS
 16059 W ORANGE AVE
 FT PIERCE, FL
 US 34945
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	40.2	42.7	43.5	44.0
Acid Number (AN)	mg KOH/g	0.42	0.41	0.42	0.39

T: (772)461-3020
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		4978	5647	2915	3208
Particles >6µm		1148	1087	716	588
Particles >14µm		85	66	49	17
ISO 4406:1999 (c)		19/17/14	20/17/13	19/17/13	19/16/11
Silicon	ppm	4	4	3	3
Sodium	ppm	2	1	2	6
Potassium	ppm	3	2	0	2

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	6	4	3	2
Copper	ppm	3	3	3	2
Lead	ppm	3	2	<1	2
Tin	ppm	<1	<1	0	1
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	66	63	67	62
Magnesium	ppm	3	2	2	3
Zinc	ppm	414	428	422	436
Phosphorus	ppm	322	325	342	341
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: BLUFOR
Unique No: 10885844
Signed: Wes Davis
Report Date: 20 Feb 2024

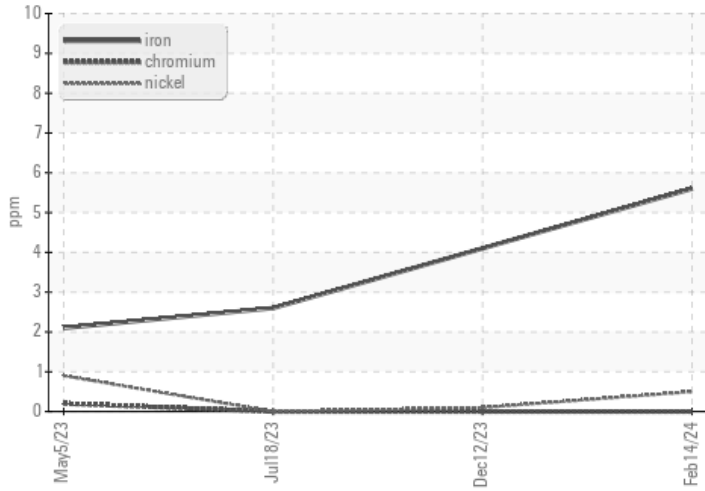


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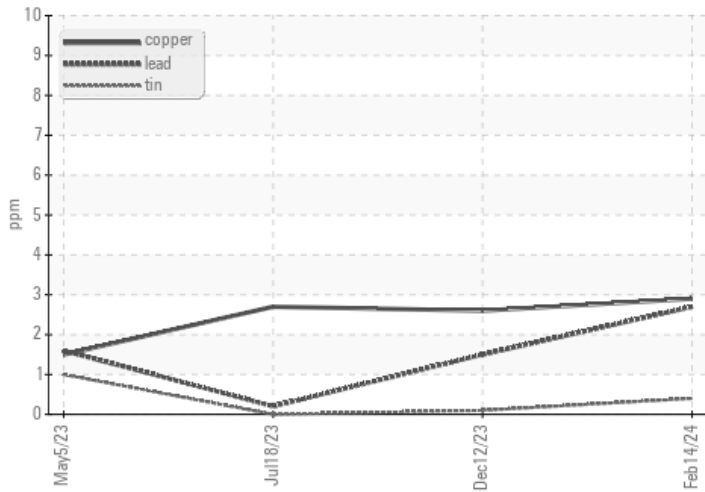


GRAPHS

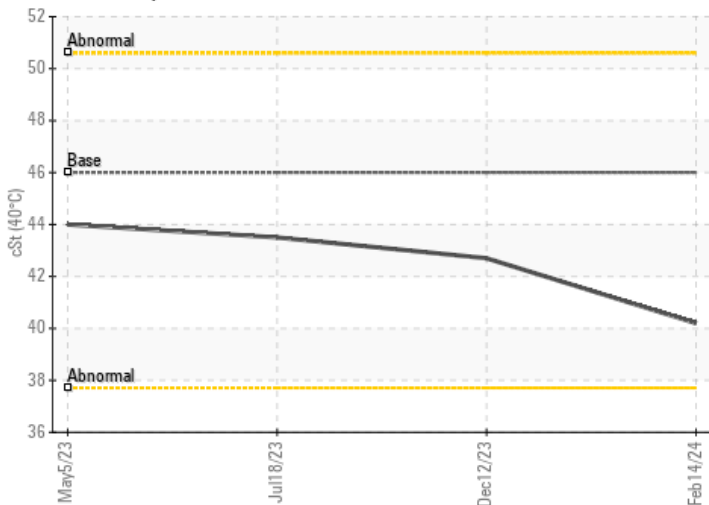
Ferrous Alloys



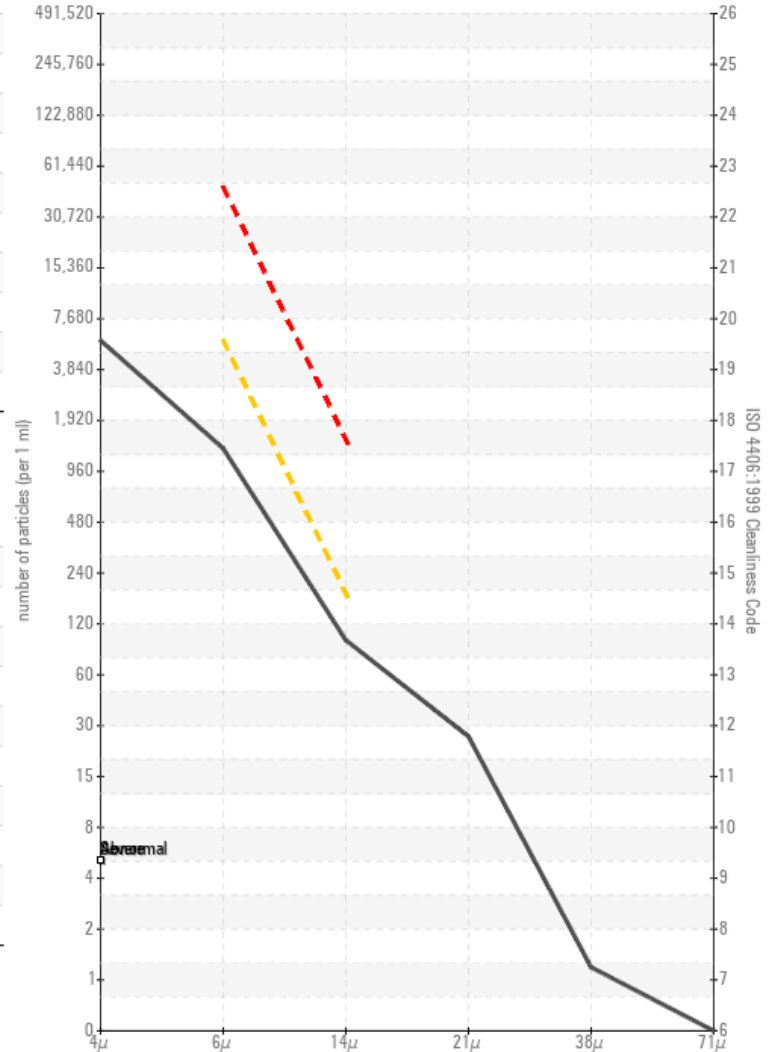
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

