



CONSTRUCTION EQUIPMENT

728045 VOLVO A30G 753001 - HYDRAULIC SYSTEM



Sample No: VCP454889
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 728045



SAMPLE INFORMATION

Sample Number	VCP454889	VCP438359	VCP445974	VCP432377
Sample Date	03 Jun 2024	14 Mar 2024	14 Feb 2024	12 Dec 2023
Machine Hours	2981	2475	2293	1980
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	41.9	42.2	40.2	42.7
Acid Number (AN)	mg KOH/g	0.40	0.39	0.42	0.41

T: (772)461-3020
 F:

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		16982	8393	4978	5647
Particles >6µm		3220	2464	1148	1087
Particles >14µm		132	134	85	66
ISO 4406:1999 (c)		21/19/14	20/18/14	19/17/14	20/17/13
Silicon	ppm	4	4	4	4
Sodium	ppm	0	0	2	1
Potassium	ppm	<1	0	3	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	9	4	6	4
Copper	ppm	4	3	3	3
Lead	ppm	2	2	3	2
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	68	69	66	63
Magnesium	ppm	2	0	3	2
Zinc	ppm	427	410	414	428
Phosphorus	ppm	327	323	322	325
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: BLUFOR
Unique No: 11070109
Signed: Wes Davis
Report Date: 10 Jun 2024

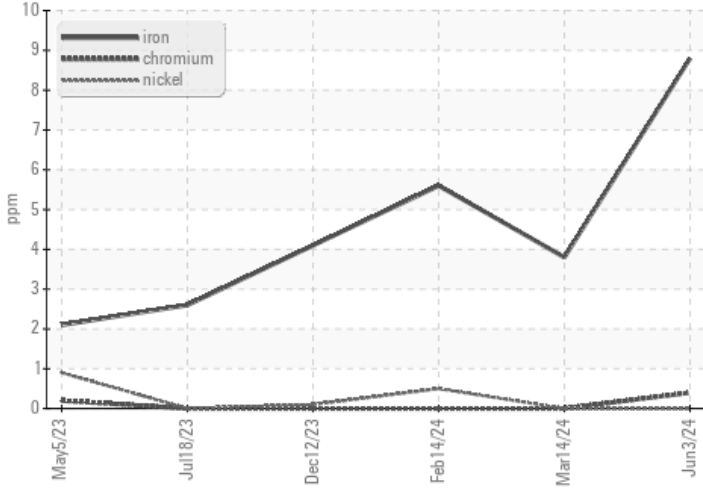


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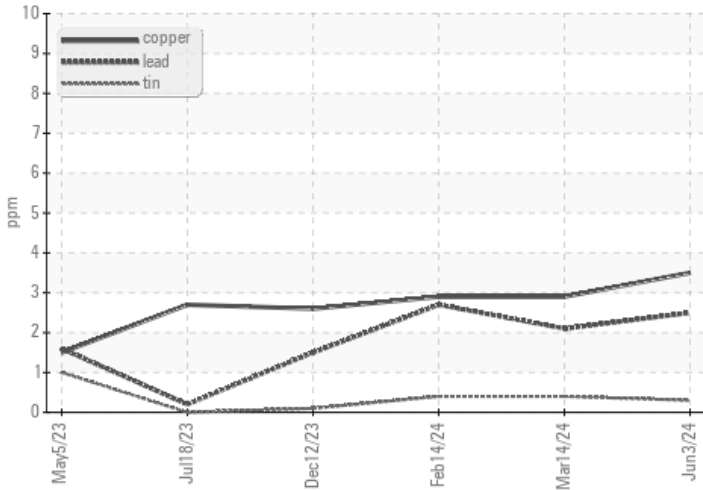


GRAPHS

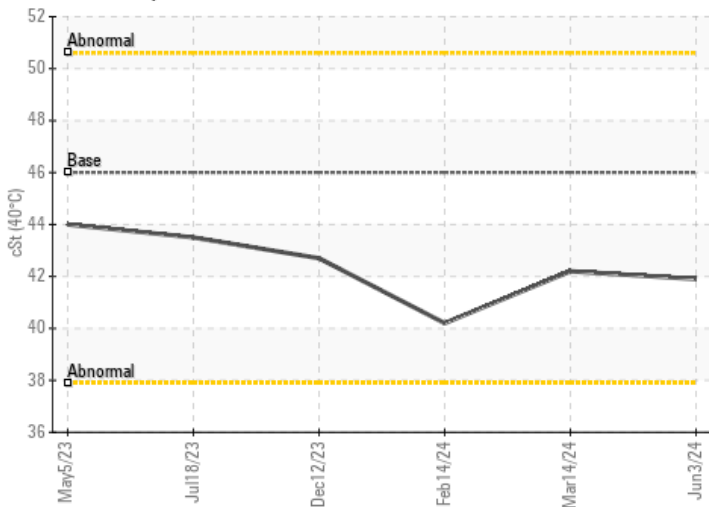
Ferrous Alloys



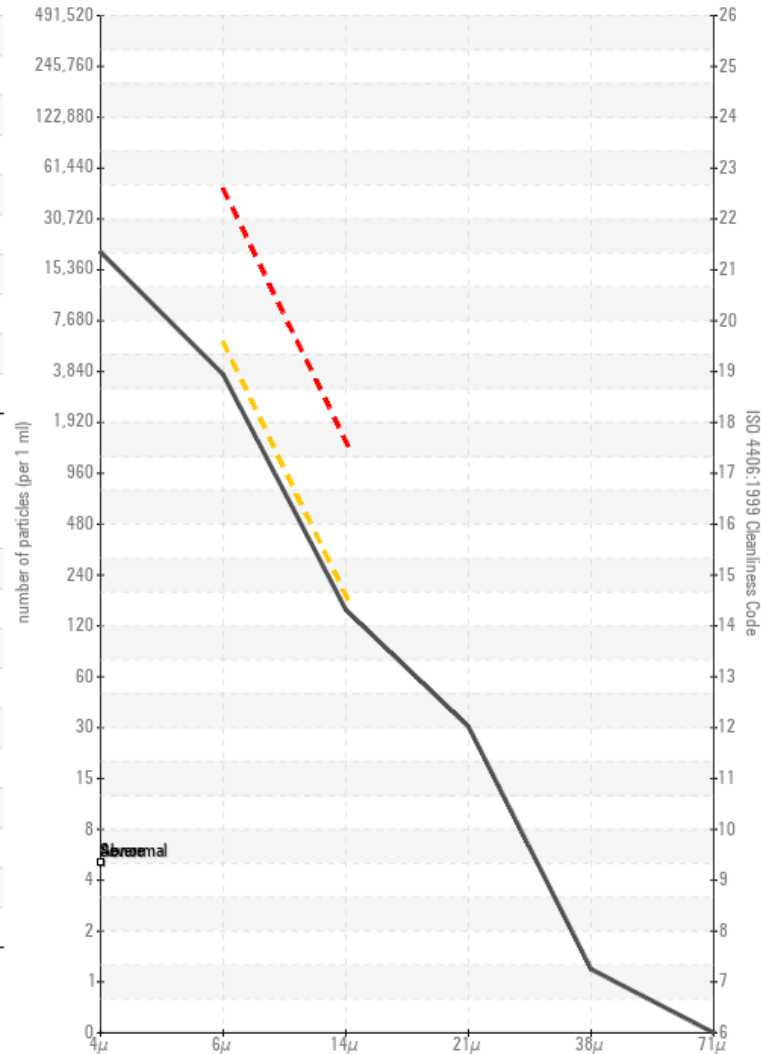
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

