



CONSTRUCTION EQUIPMENT

728466 VOLVO L110H 631377 - HYDRAULIC SYSTEM



Sample No: VCP450651
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 728466



SAMPLE INFORMATION

Sample Number	VCP450651	VCP455088	VCP425851	VCP382097
Sample Date	04 Jun 2024	06 Mar 2024	08 May 2023	03 Nov 2022
Machine Hours	9020	8503	7017	6014
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	SEVERE	ATTENTION	NORMAL

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

OIL CONDITION

Visc @ 40°C	cSt	46.0	42.8	43.6	44.2
Acid Number (AN)	mg KOH/g	0.29	1.001	0.39	0.42

T: (772)461-3020
 F:

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		8616	141905	8419	4330
Particles >6µm		1366	▲ 47782	2115	754
Particles >14µm		18	▲ 2927	● 101	51
ISO 4406:1999 (c)		20/18/11	24/23/19	20/18/14	19/17/13
Silicon	ppm	1	4	4	2
Sodium	ppm	1	1	<1	0
Potassium	ppm	0	<1	<1	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	1	8	6	4
Copper	ppm	<1	3	3	2
Lead	ppm	0	1	2	2
Tin	ppm	0	0	0	0
Aluminum	ppm	0	1	0	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	5	7	7
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	73	170	163	192
Magnesium	ppm	<1	33	43	42
Zinc	ppm	416	494	497	481
Phosphorus	ppm	325	383	373	364
Barium	ppm	0	0	0	0
Boron	ppm	0	2	1	4

Depot: BLUFOR
Unique No: 11073892
Signed: Wes Davis
Report Date: 13 Jun 2024

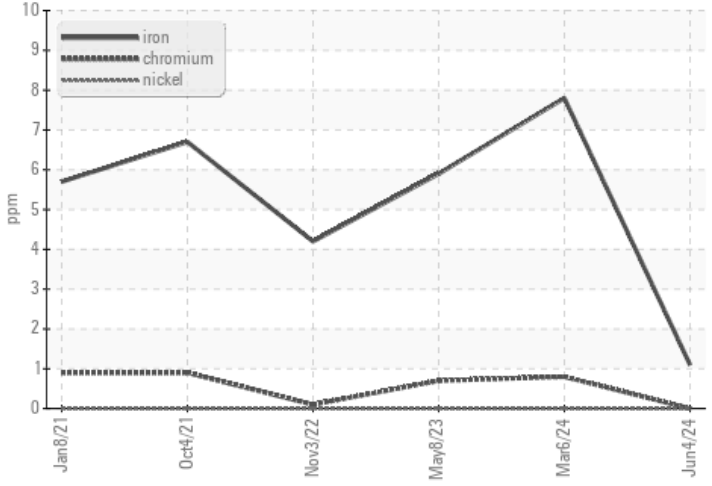


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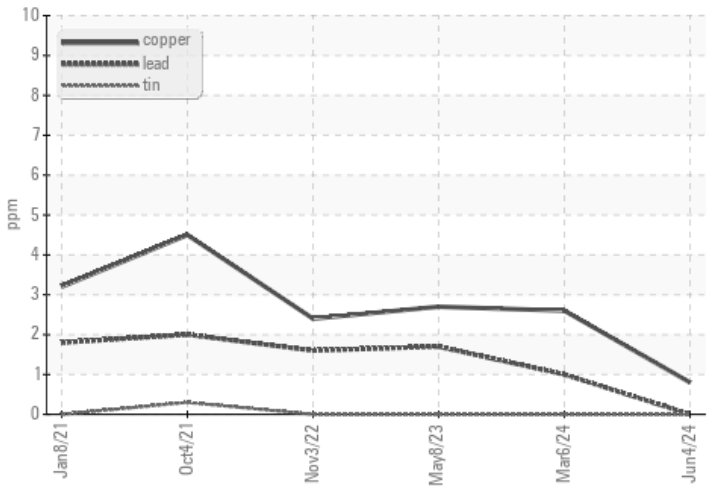


GRAPHS

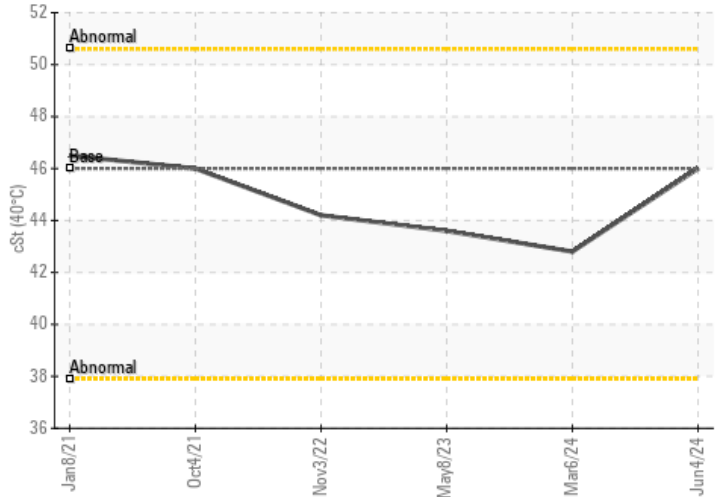
Ferrous Alloys



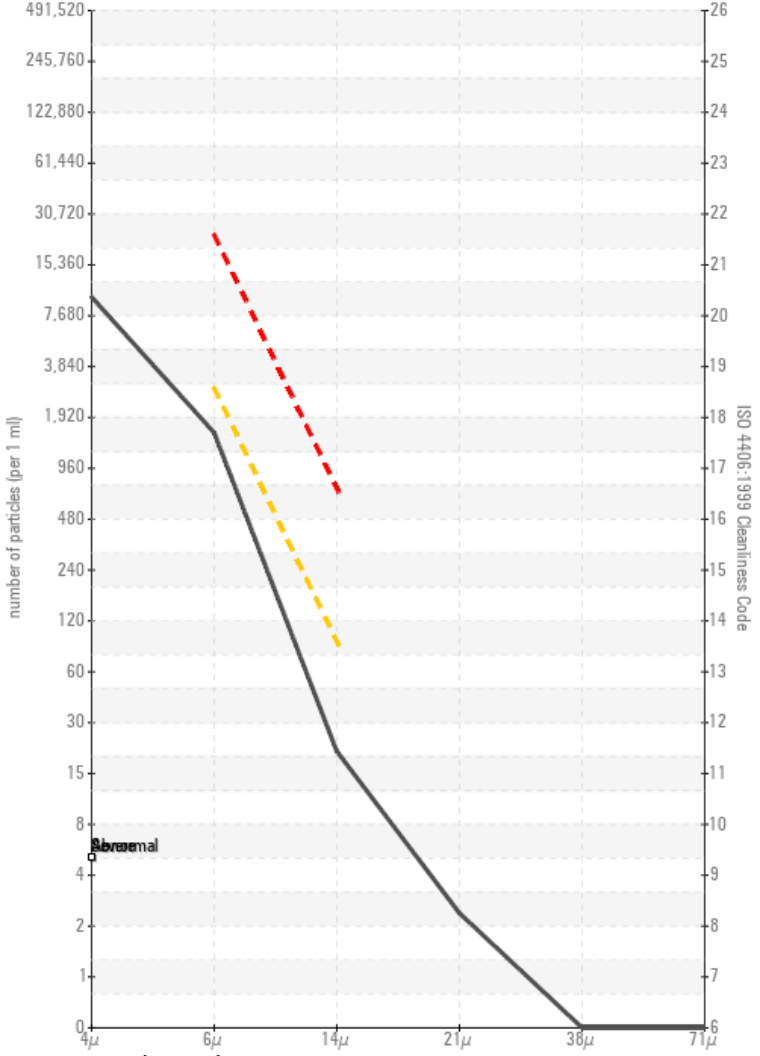
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

