



CONSTRUCTION EQUIPMENT

703413 VOLVO EC380 315092 - HYDRAULIC SYSTEM



Sample No: VCP449569
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 703413



SAMPLE INFORMATION

Sample Number	VCP449569	VCP427167	VCP397650	---
Sample Date	29 Apr 2024	04 Aug 2023	09 Jan 2023	---
Machine Hours	1494	967	477	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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

OIL CONDITION

Visc @ 40°C	cSt	42.1	42.2	43.0	---
Acid Number (AN)	mg KOH/g	0.50	0.48	0.49	---

T: (772)461-3020
 F:

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		11407	31748	17075	---
Particles >6µm		1694	5919	4446	---
Particles >14µm		83	194	347	---
ISO 4406:1999 (c)		21/18/14	22/20/15	21/19/16	---
Silicon	ppm	2	2	3	---
Sodium	ppm	<1	<1	0	---
Potassium	ppm	0	0	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	0	1	1	---
Copper	ppm	16	14	11	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	<1	0	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	0	---
Vanadium	ppm	0	<1	0	---

ADDITIVES

Calcium	ppm	69	79	85	---
Magnesium	ppm	<1	1	0	---
Zinc	ppm	500	540	547	---
Phosphorus	ppm	410	439	418	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: BLUFOR
Unique No: 11007543
Signed: Wes Davis
Report Date: 03 May 2024

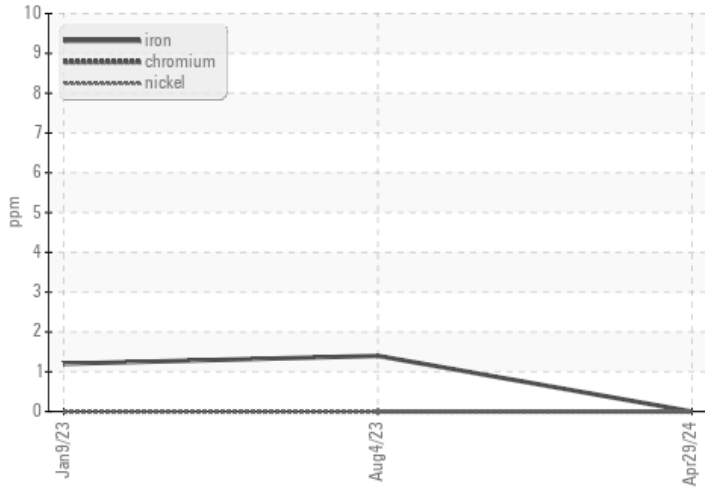


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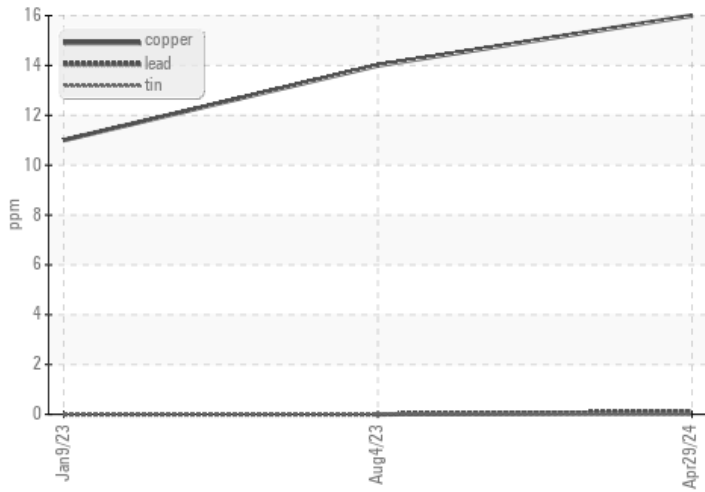


VOLVO GRAPHS

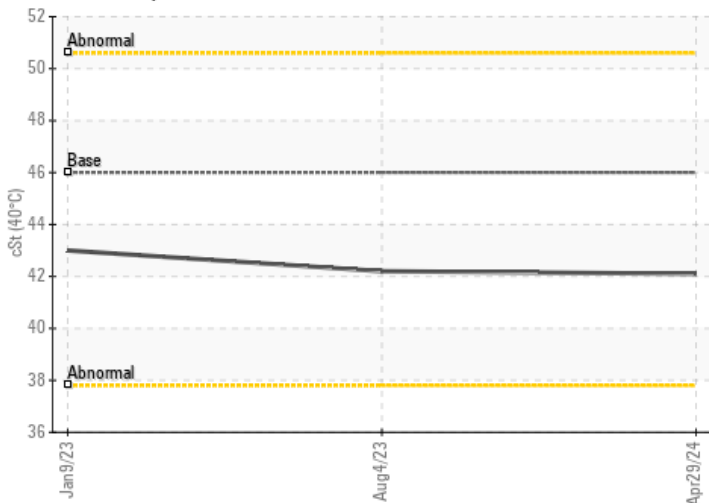
Ferrous Alloys



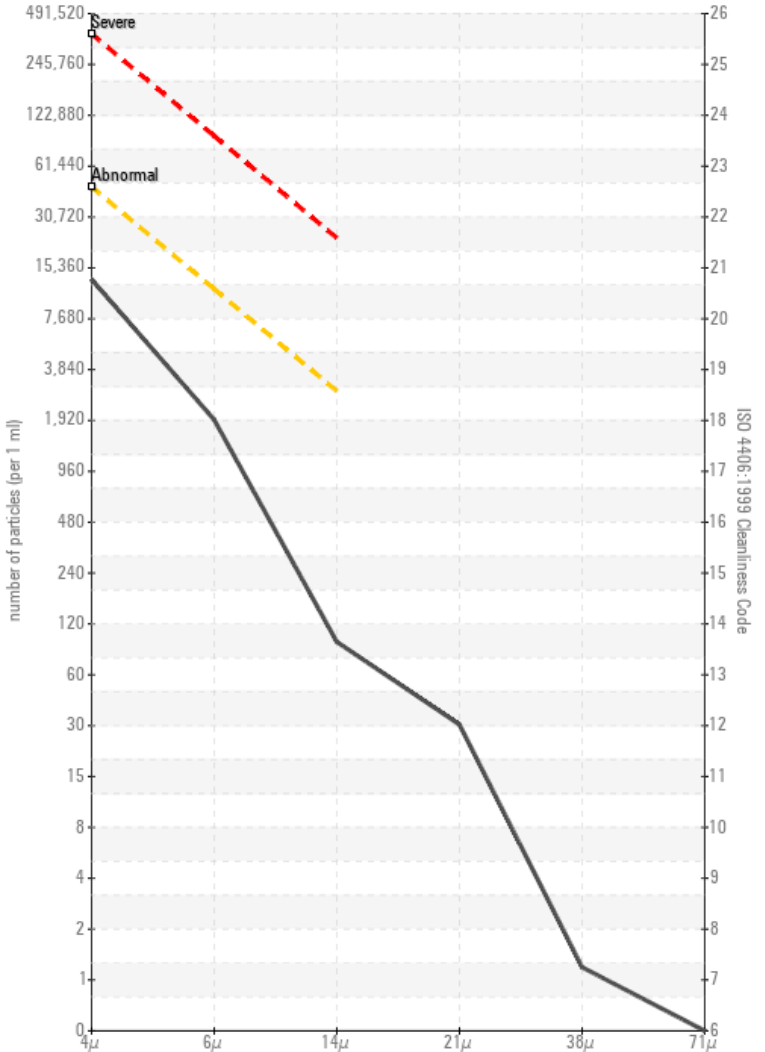
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

