



CONSTRUCTION EQUIPMENT

VOLVO A45G 342545 - HYDRAULIC SYSTEM



Sample No: VCP0007598
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007598	VCP315765	VCP297021	---
Sample Date	06 Jul 2023	03 Aug 2021	29 Dec 2020	---
Machine Hours	0	4102	3126	---
Oil Hours	0	4000	3126	---
Oil Changed	N/A	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

QGS - QUALITY GRASSES SERV/TCF LEASING
 17502 CR 672
 LITHIA, FL
 US 33547
 Contact: GARY ROGERS
 grogers@qgsdevelopment.com
 T: (813)323-4119
 F:

OIL CONDITION

Visc @ 40°C	cSt	45.5	40.5	41.1	---
Acid Number (AN)	mg KOH/g	0.37	0.536	0.176	---

CONTAMINATION

Particles >4µm		5162	3175	6129	---
Particles >6µm		1436	829	1699	---
Particles >14µm		100	75	133	---
ISO 4406:1999 (c)		20/18/14	19/17/13	20/18/14	---
Silicon	ppm	2	5	4	---
Sodium	ppm	1	2	3	---
Potassium	ppm	1	5	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	5	4	6	---
Copper	ppm	1	4	5	---
Lead	ppm	2	3	4	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	2	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	6	0	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	174	434	361	---
Magnesium	ppm	9	4	5	---
Zinc	ppm	474	490	503	---
Phosphorus	ppm	364	420	394	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	8	6	---

Depot: QUALITFL
Unique No: 10549399
Signed: Wes Davis
Report Date: 11 Jul 2023

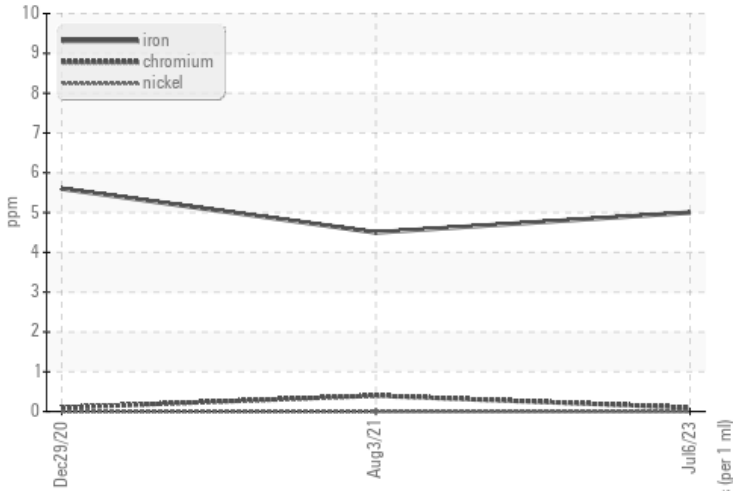


CONSTRUCTION EQUIPMENT

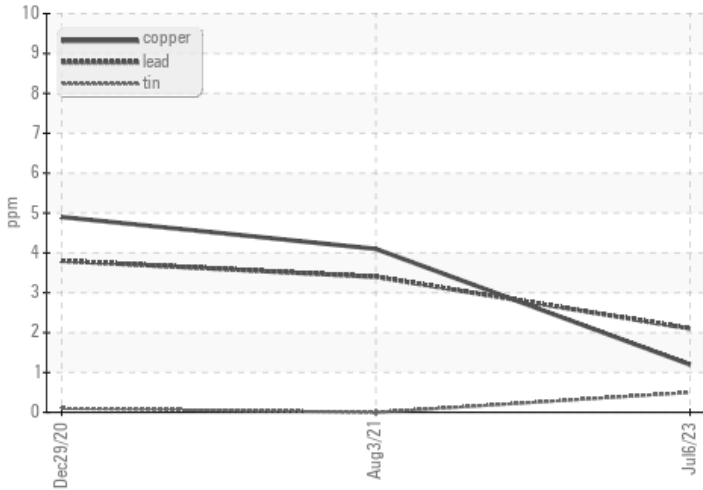


GRAPHS

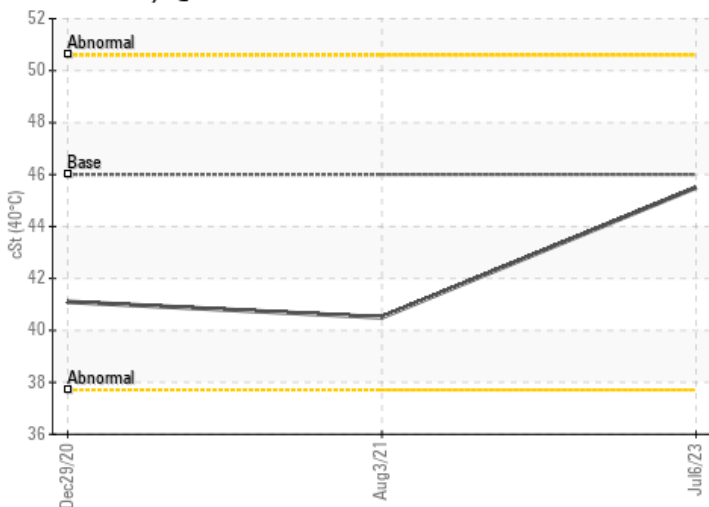
Ferrous Alloys



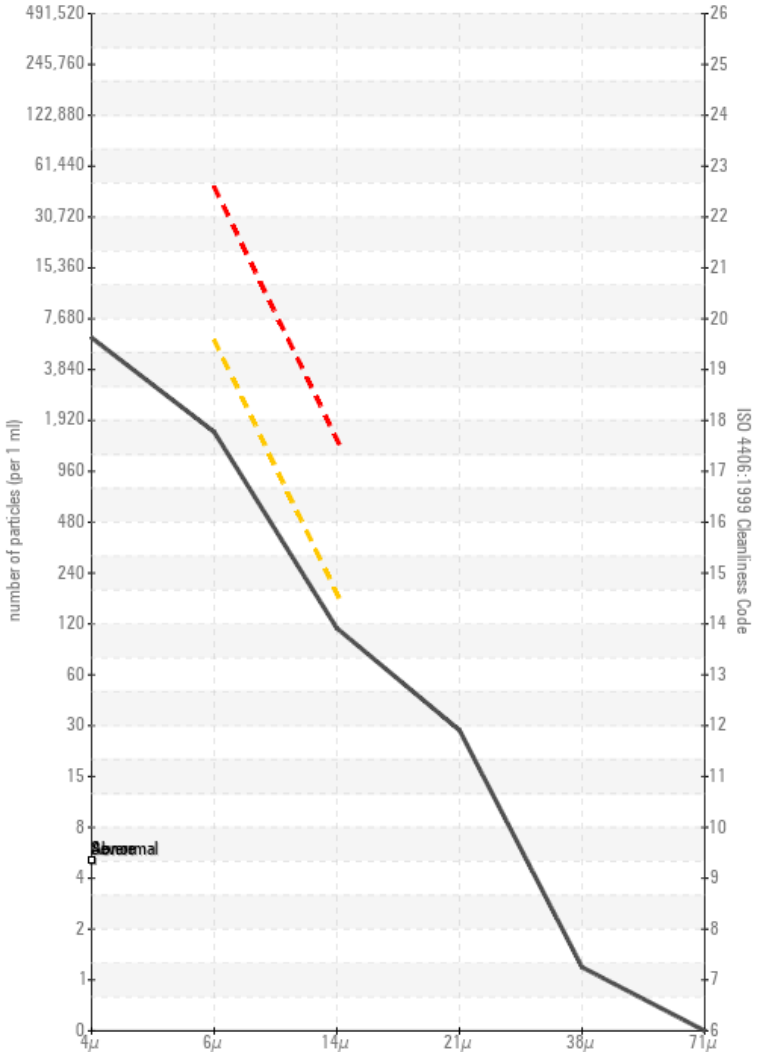
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

