



CONSTRUCTION EQUIPMENT

A10540 VOLVO A40G 342316 - HYDRAULIC SYSTEM



Sample No: VCP411870
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A10540



SAMPLE INFORMATION

Sample Number	VCP411870	VCP335660	VCP308741	---
Sample Date	06 Jul 2023	09 Sep 2021	20 Apr 2021	---
Machine Hours	5600	4315	0	---
Oil Hours	1000	4000	0	---
Oil Changed	Not Chngd	Changed	N/A	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

K C CONSTRUCTION

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 IVYLAND, PA
 US 18974
 Contact: DUKE D.
 duked@kcconstruct.com
 T: (267)784-7337
 F: x:



OIL CONDITION

Visc @ 40°C	cSt	41.1	39.8	40.1	---
Acid Number (AN)	mg KOH/g	0.34	0.405	0.375	---



CONTAMINATION

Particles >4µm		1367	6248	---	---
Particles >6µm		310	570	---	---
Particles >14µm		26	38	---	---
ISO 4406:1999 (c)		18/15/12	20/16/12	---	---
Silicon	ppm	10	14	16	---
Sodium	ppm	3	2	2	---
Potassium	ppm	<1	0	1	---

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	10	12	14	---
Copper	ppm	4	8	8	---
Lead	ppm	2	4	4	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	2	5	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	241	59	63	---
Magnesium	ppm	3	1	2	---
Zinc	ppm	459	408	434	---
Phosphorus	ppm	370	313	329	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	<1	---

Depot: KCCIVY
Unique No: 10559872
Signed: Wes Davis
Report Date: 17 Jul 2023

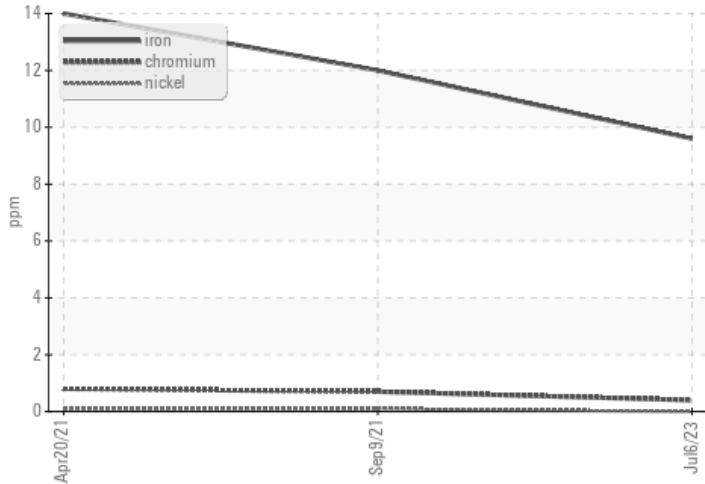


CONSTRUCTION EQUIPMENT

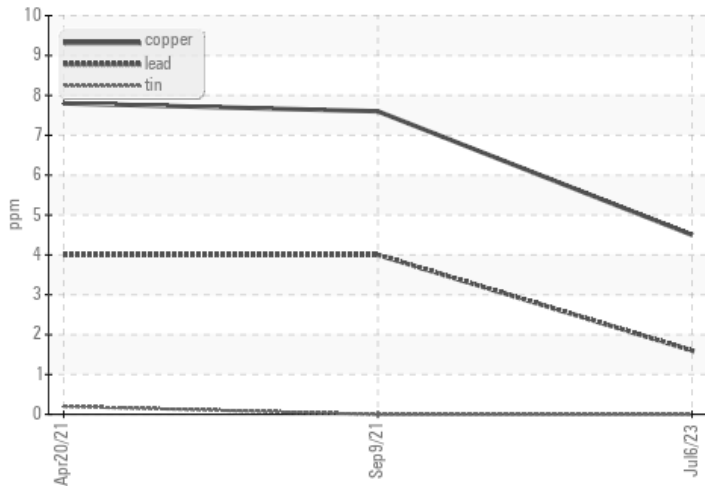


VOLVO GRAPHS

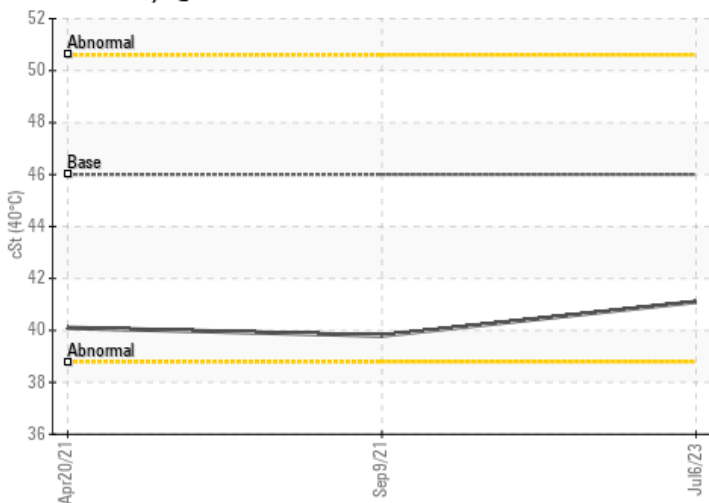
Ferrous Alloys



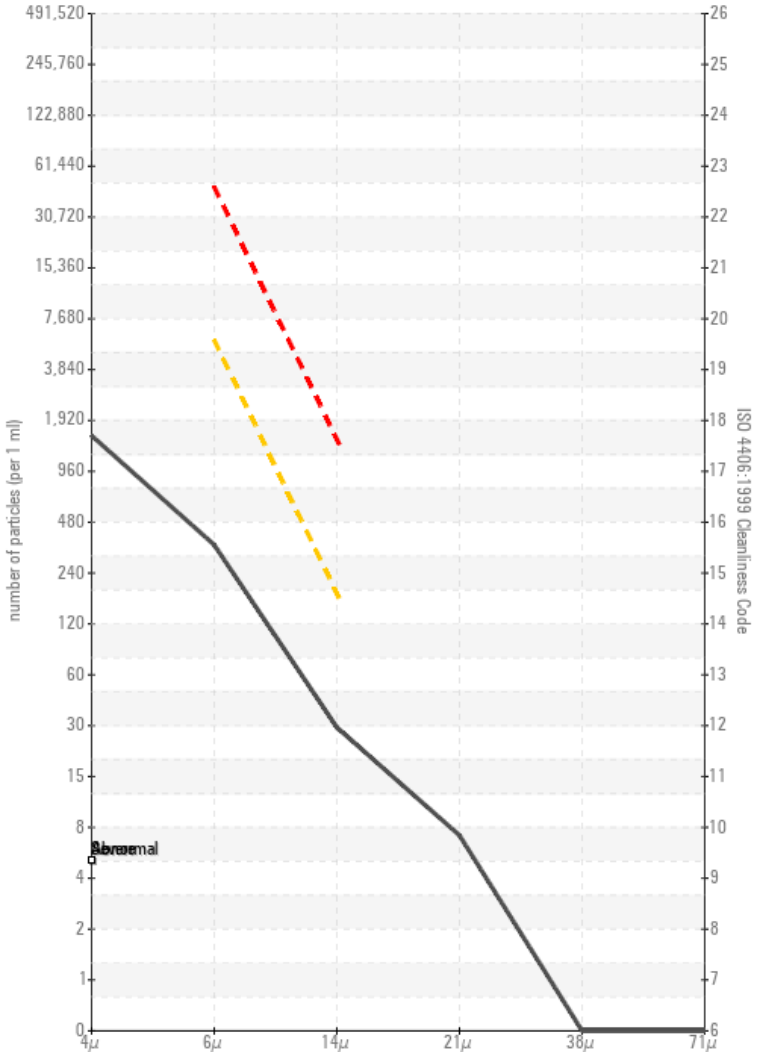
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

