



CONSTRUCTION EQUIPMENT

595224 VOLVO A40G 352787 - HYDRAULIC SYSTEM



Sample No: VCP425161
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 595224



SAMPLE INFORMATION

Sample Number	VCP425161	VCP373207	VCP345745	---
Sample Date	25 Aug 2023	30 Jun 2022	20 Jan 2022	---
Machine Hours	4246	1962	940	---
Oil Hours	4246	1962	940	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	45.2	45.5	45.2	---
Acid Number (AN)	mg KOH/g	0.28	0.37	0.37	---



CONTAMINATION

Particles >4µm		416	1376	5908	---
Particles >6µm		87	203	1280	---
Particles >14µm		9	14	136	---
ISO 4406:1999 (c)		16/14/10	18/15/11	20/17/14	---
Silicon	ppm	6	5	5	---
Sodium	ppm	4	0	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	9	5	4	---
Copper	ppm	2	2	1	---
Lead	ppm	3	2	2	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	<1	0	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	68	60	59	---
Magnesium	ppm	2	<1	0	---
Zinc	ppm	437	447	442	---
Phosphorus	ppm	305	353	335	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: RIPTAM
Unique No: 10668725
Signed: Wes Davis
Report Date: 28 Sep 2023

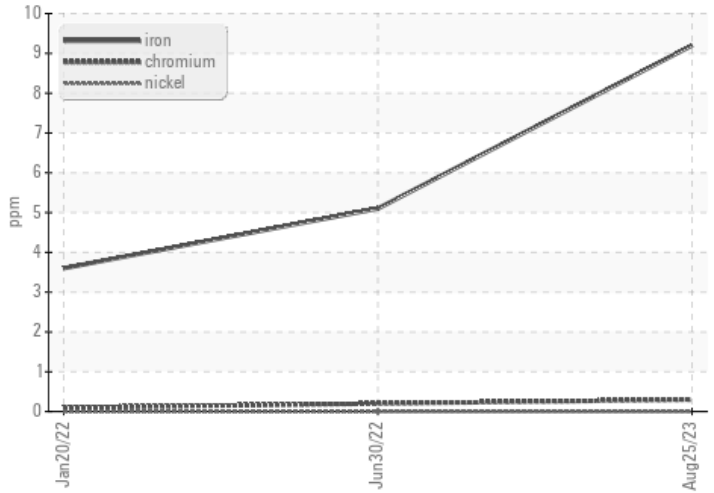


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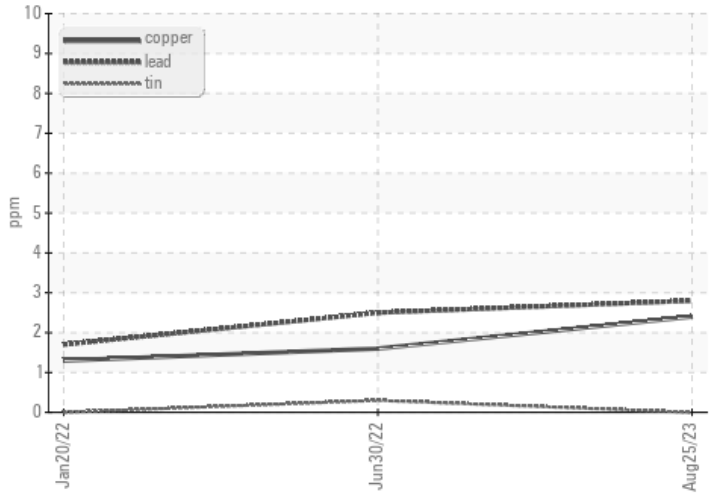


VOLVO GRAPHS

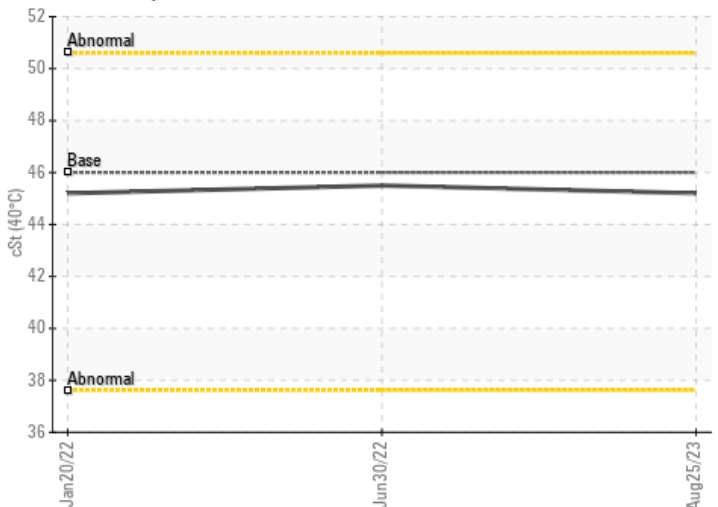
Ferrous Alloys



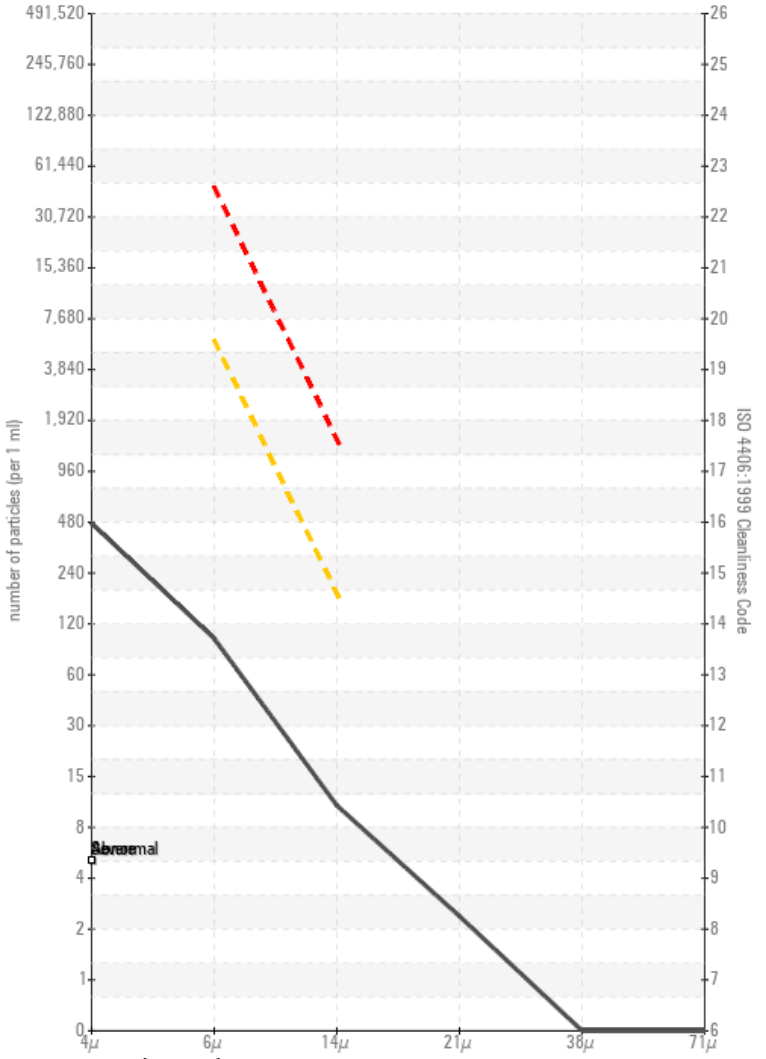
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

