



CONSTRUCTION EQUIPMENT

VOLVO A40G 341245 - HYDRAULIC SYSTEM



Sample No: VCP425028
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP425028	VCP252607	---	---
Sample Date	21 Jul 2023	27 Jul 2019	---	---
Machine Hours	7168	4096	---	---
Oil Hours	2000	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

McClung-Logan Virginia LLC- RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 40°C	cSt	43.5	41.6	---	---
Acid Number (AN)	mg KOH/g	0.40	0.522	---	---



CONTAMINATION

Particles >4µm		996	89	---	---
Particles >6µm		278	38	---	---
Particles >14µm		22	9	---	---
ISO 4406:1999 (c)		17/15/12	14/12/10	---	---
Silicon	ppm	4	5	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	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	13	12	---	---
Copper	ppm	6	9	---	---
Lead	ppm	<1	3	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	1	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	269	154	---	---
Magnesium	ppm	33	2	---	---
Zinc	ppm	477	462	---	---
Phosphorus	ppm	388	356	---	---
Barium	ppm	0	0	---	---
Boron	ppm	6	3	---	---

Depot: VOLVO8882
Unique No: 10604096
Signed: Wes Davis
Report Date: 15 Aug 2023

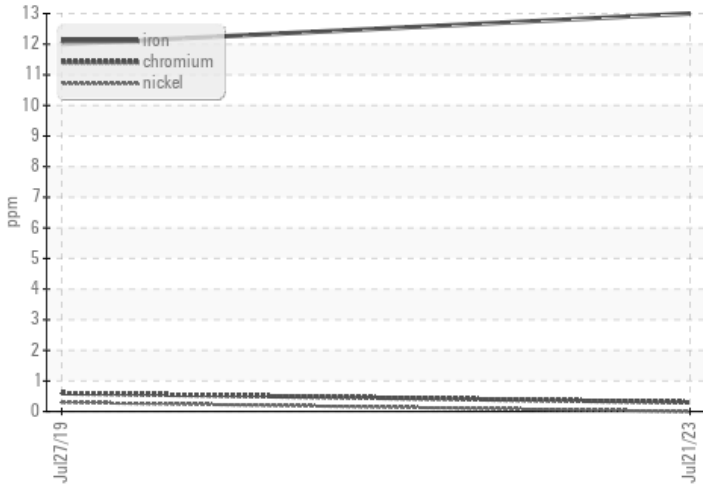


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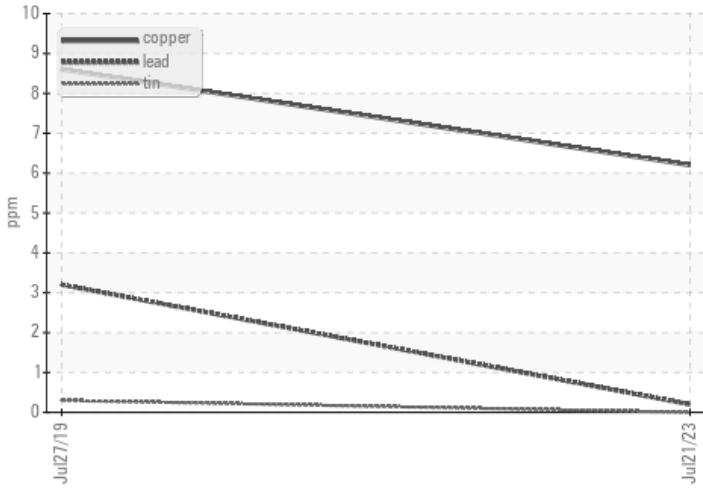


GRAPHS

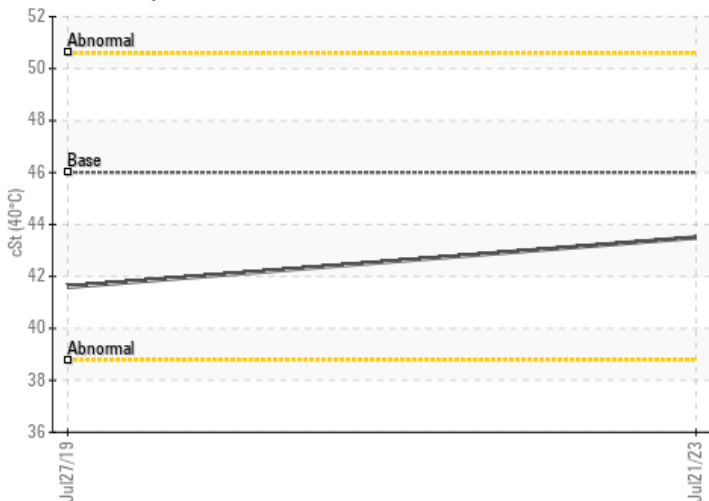
Ferrous Alloys



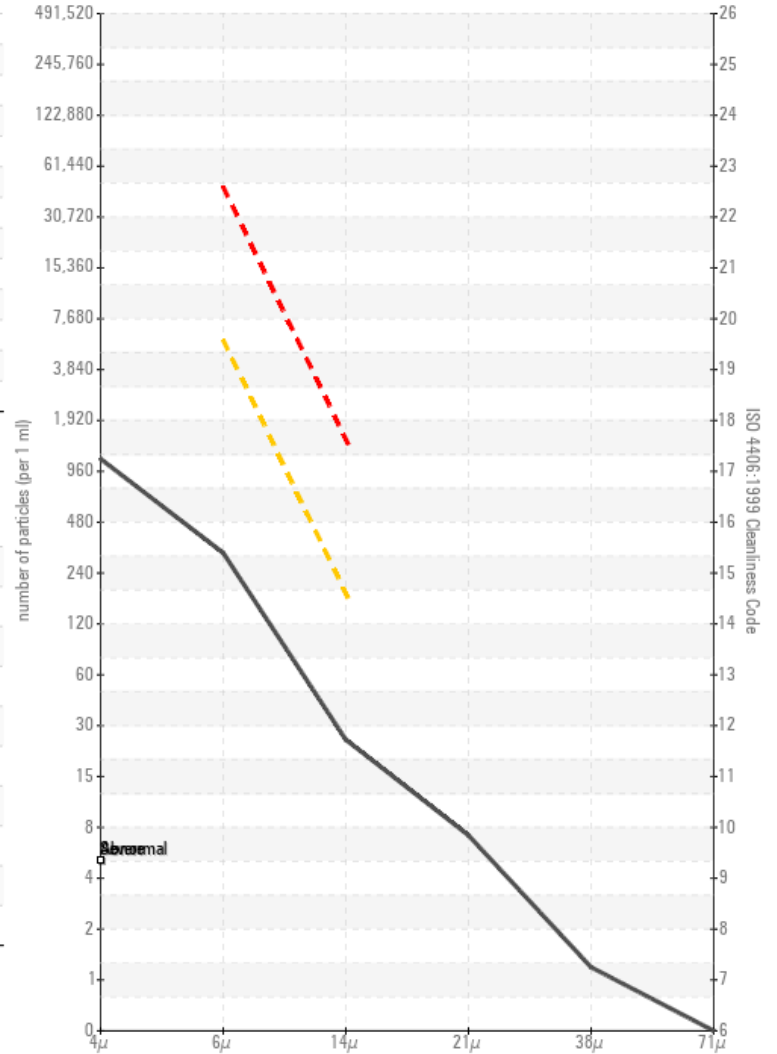
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

