



CONSTRUCTION EQUIPMENT

W07012019-1 STANLEY VOLVO A45G 342044 - HYDRAULIC SYSTEM



Sample No: VCP401300
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: W07012019-1 STANLEY



SAMPLE INFORMATION

Sample Number	VCP401300	VCP276071	---	---
Sample Date	02 Feb 2023	10 Jul 2020	---	---
Machine Hours	8248	4237	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

MCCLUNG-LOGAN EQUIPMENT CO - 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	39.2	39.2	---	---
Acid Number (AN)	mg KOH/g	0.37	0.339	---	---



CONTAMINATION

Particles >4µm		654	746	---	---
Particles >6µm		130	132	---	---
Particles >14µm		7	21	---	---
ISO 4406:1999 (c)		17/14/10	17/14/12	---	---
Silicon	ppm	15	14	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	<1	<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	13	16	---	---
Copper	ppm	8	12	---	---
Lead	ppm	2	4	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	6	6	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	1	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	93	79	---	---
Magnesium	ppm	9	2	---	---
Zinc	ppm	393	442	---	---
Phosphorus	ppm	316	313	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	0	2	---	---

Depot: VOLVO8882
Unique No: 10325131
Signed: Wes Davis
Report Date: 08 Feb 2023

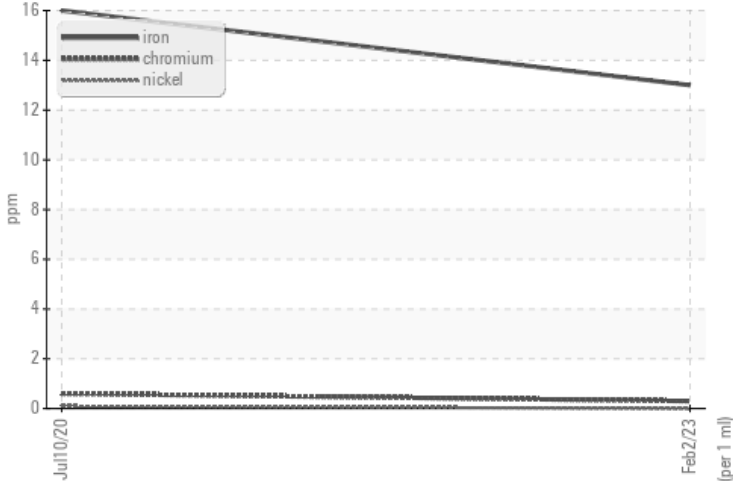


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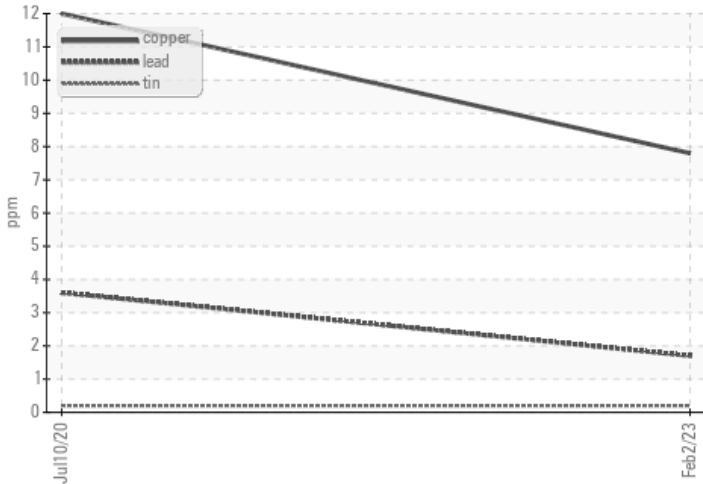


GRAPHS

Ferrous Alloys



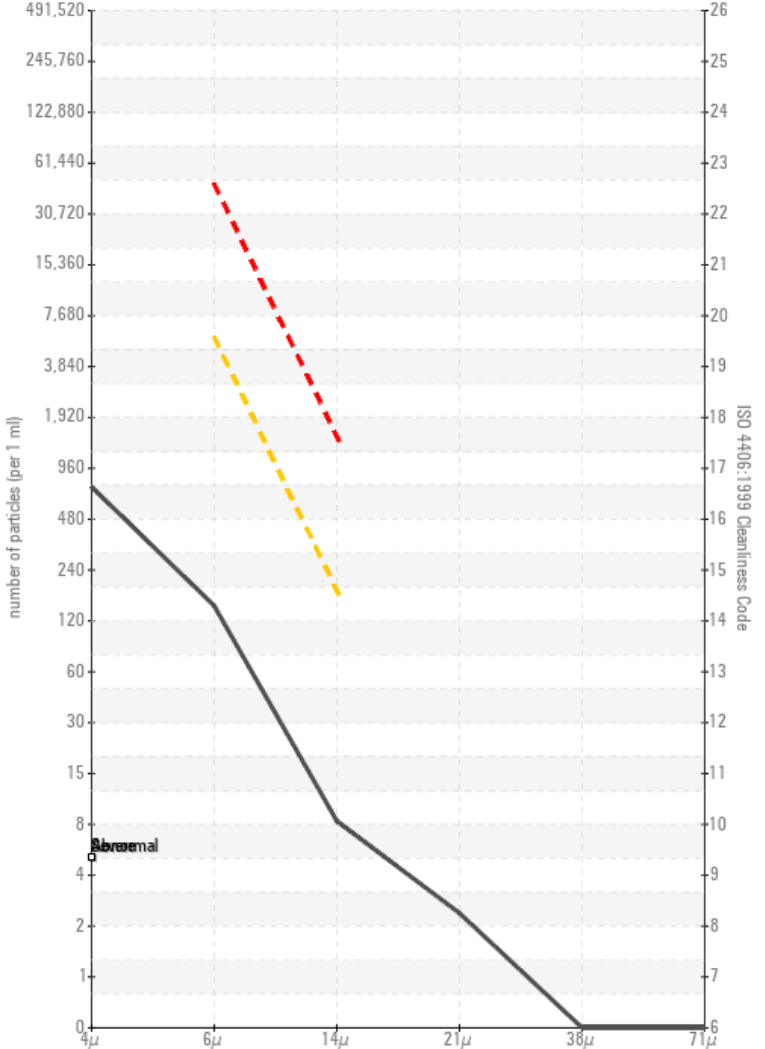
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

