



CONSTRUCTION EQUIPMENT

SPM687839 US STEEL VOLVO A60H 340125 - HYDRAULIC SYSTEM



Sample No: VCP436411
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM687839 US STEEL



SAMPLE INFORMATION

Sample Number	VCP436411	VCP366244	---	---
Sample Date	12 Apr 2024	27 Aug 2022	---	---
Machine Hours	8696	6235	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 40°C	cSt	42.4	41.2	---	---
Acid Number (AN)	mg KOH/g	0.38	0.49	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		3525	87656	---	---
Particles >6µm		706	9859	---	---
Particles >14µm		33	258	---	---
ISO 4406:1999 (c)		19/17/12	24/20/15	---	---
Silicon	ppm	2	6	---	---
Sodium	ppm	5	3	---	---
Potassium	ppm	2	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	4	15	---	---
Copper	ppm	2	6	---	---
Lead	ppm	1	5	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	5	7	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	91	201	---	---
Magnesium	ppm	2	7	---	---
Zinc	ppm	437	458	---	---
Phosphorus	ppm	356	372	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	<1	---	---

Depot: VOLVO8885
Unique No: 10989712
Signed: Wes Davis
Report Date: 22 Apr 2024

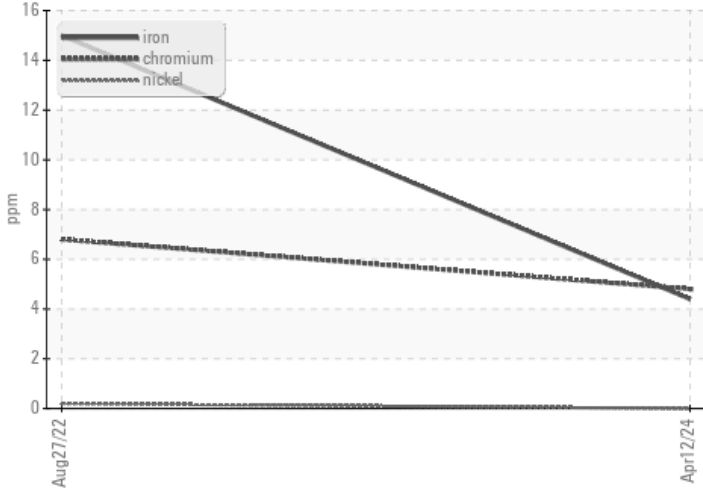


CONSTRUCTION EQUIPMENT

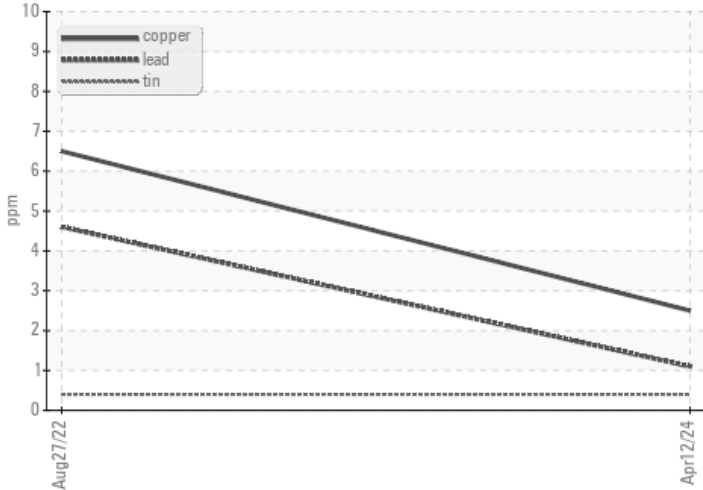


VOLVO GRAPHS

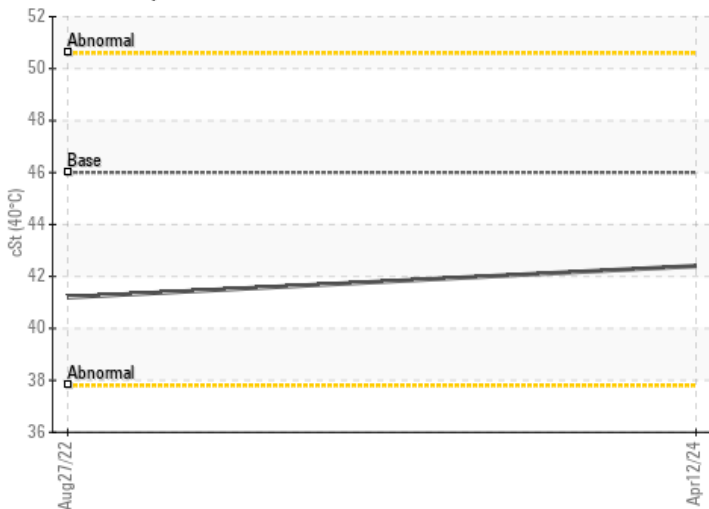
Ferrous Alloys



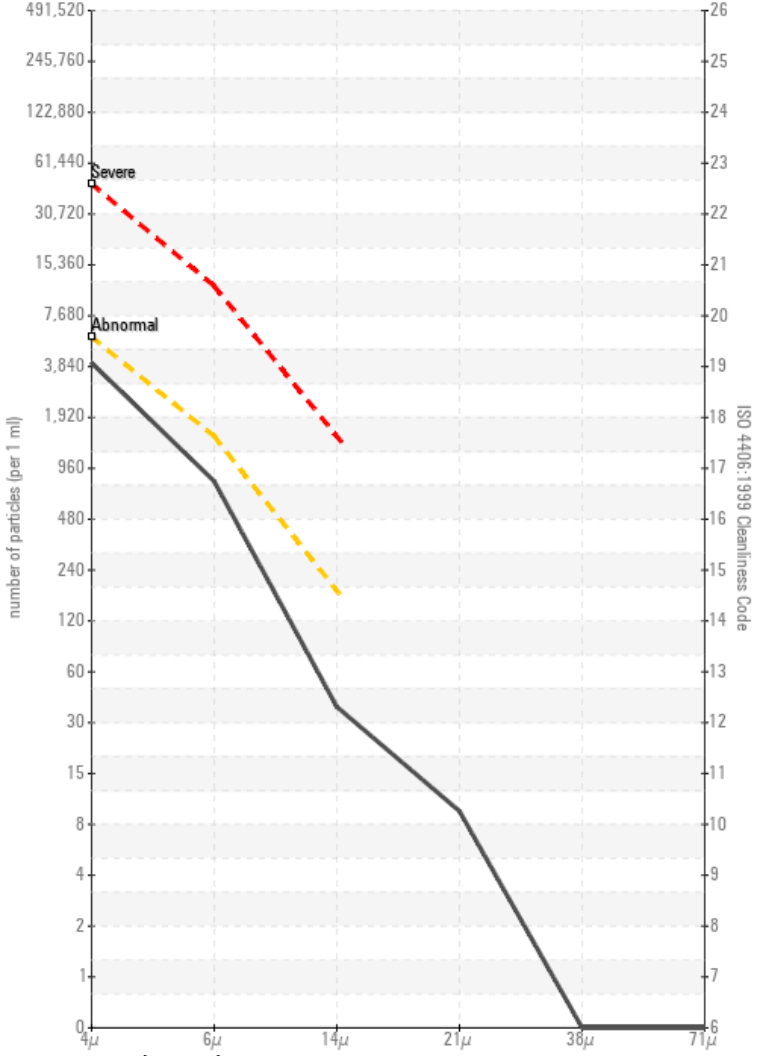
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

