



CONSTRUCTION EQUIPMENT

ATLAS ORGANICS VOLVO EC220EL 314414 - HYDRAULIC SYSTEM



Sample No: VCP445560
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: ATLAS ORGANICS



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP445560	VCP442744	---	---
Sample Date	10 Apr 2024	27 Sep 2023	---	---
Machine Hours	3518	2019	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 42.1	█ 41.8	---	---
Acid Number (AN)	mg KOH/g	█ 0.41	█ 0.53	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 14349	█ 22329	---	---
Particles >6µm		█ 4374	█ 3456	---	---
Particles >14µm		█ 375	█ 162	---	---
ISO 4406:1999 (c)		21/19/16	22/19/15	---	---
Silicon	ppm	█ 3	█ 5	---	---
Sodium	ppm	█ <1	█ 1	---	---
Potassium	ppm	█ <1	█ 0	---	---



WEAR METALS

Iron	ppm	█ 3	█ 4	---	---
Copper	ppm	█ 15	█ 26	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ <1	█ 0	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 0	0	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	0	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 68	72	---	---
Magnesium	ppm	█ 1	0	---	---
Zinc	ppm	█ 527	455	---	---
Phosphorus	ppm	█ 394	364	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 0	0	---	---

Diagnosis

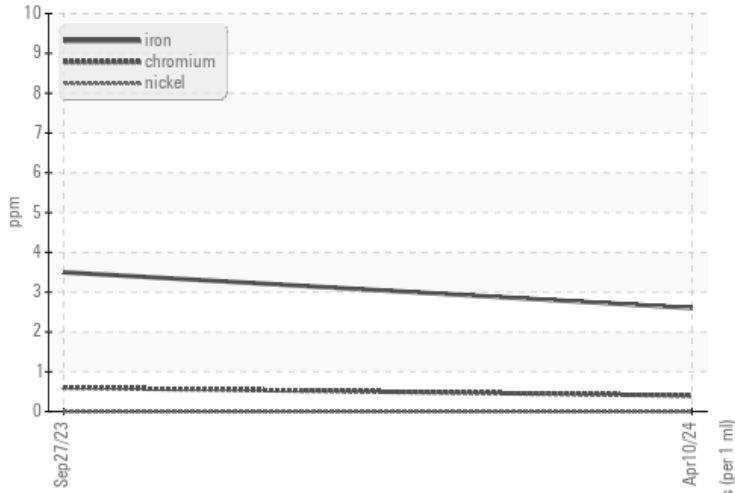
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 11082861
Signed: Wes Davis
Report Date: 17 Jun 2024

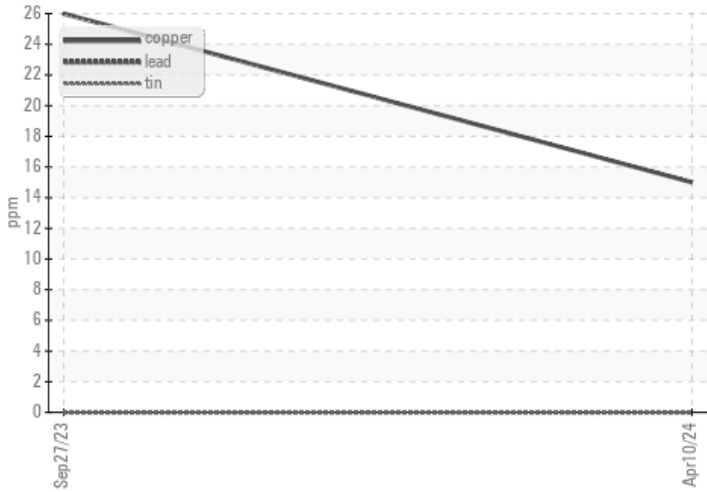


GRAPHS

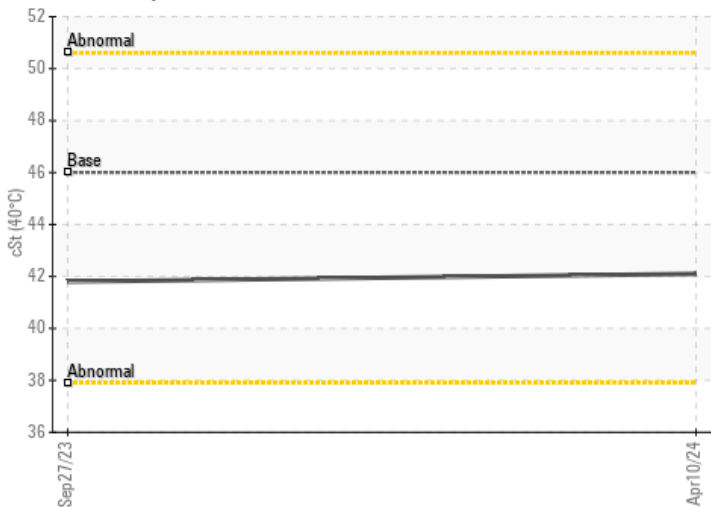
Ferrous Alloys



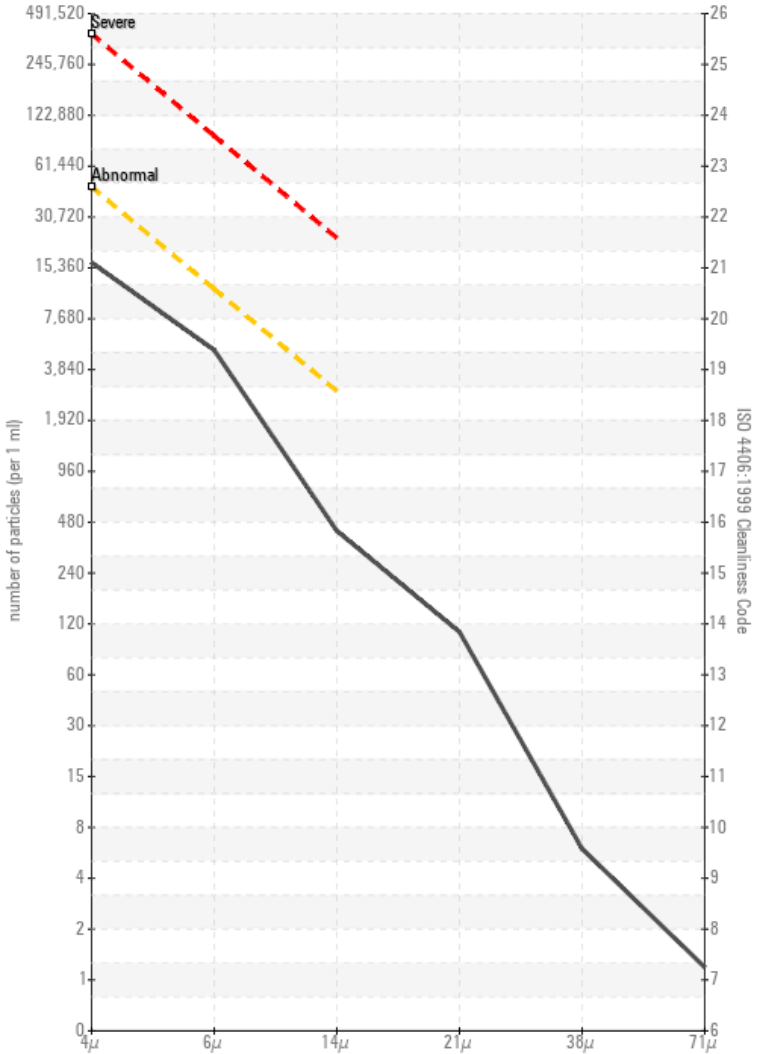
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

