



CONSTRUCTION EQUIPMENT

IMPORT AUTO VOLVO EC220E 310953 - HYDRAULIC SYSTEM



Sample No: VCP437846
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: IMPORT AUTO



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	VCP437846	VCP334700	---	---
Sample Date	26 Feb 2024	20 Jul 2021	---	---
Machine Hours	3107	1253	---	---
Oil Hours	0	1253	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	42.9	43.5	---	---
Acid Number (AN)	mg KOH/g	0.46	0.557	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		---	▲ 130249	---	---
Particles >6µm		---	● 17972	---	---
Particles >14µm		---	■ 28	---	---
ISO 4406:1999 (c)		---	24/21/12	---	---
Silicon	ppm	2	4	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	0	6	---	---



WEAR METALS

Iron	ppm	3	2	---	---
Copper	ppm	20	33	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	48	60	---	---
Magnesium	ppm	<1	0	---	---
Zinc	ppm	369	456	---	---
Phosphorus	ppm	309	396	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	4	---	---

Diagnosis

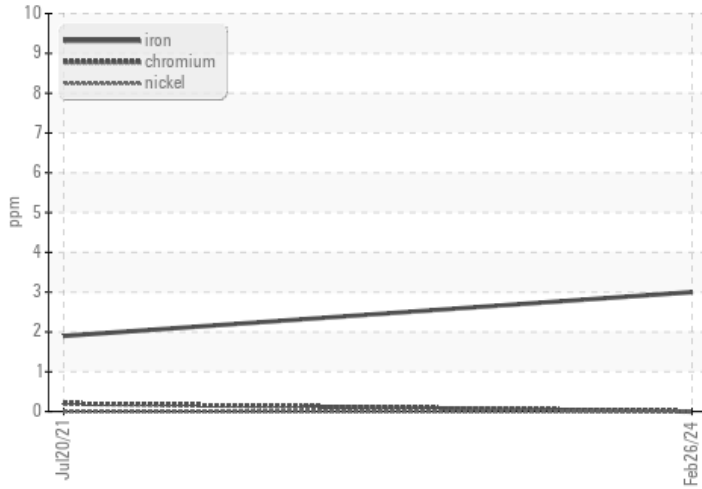
We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10995720
Signed: Don Baldrige
Report Date: 26 Apr 2024

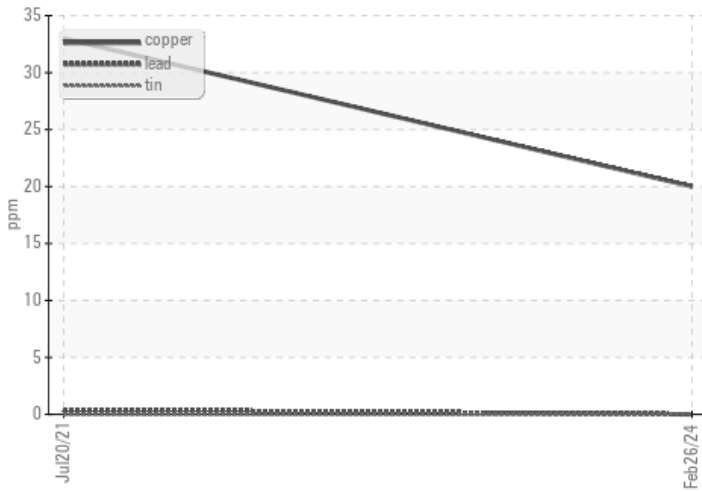


GRAPHS

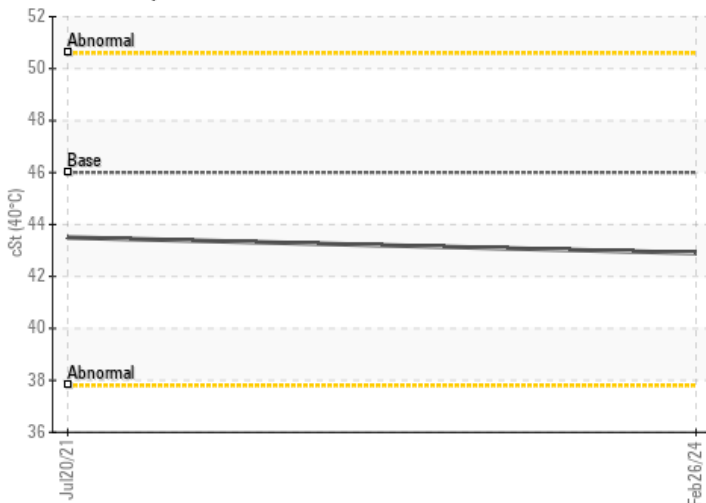
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

