



CONSTRUCTION EQUIPMENT

SPM580813 SUWANNEE VOLVO EC480E 314556 - HYDRAULIC SYSTEM



Sample No: VCP413237
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM580813 SUWANNEE



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	VCP413237	VCP417251	VCP399290	VCP385399
Sample Date	20 Jul 2023	01 Jun 2023	20 Dec 2022	27 Sep 2022
Machine Hours	6523	5886	3787	2939
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	41.4	41.2	42.0	42.1
Acid Number (AN)	mg KOH/g	0.44	0.41	0.48	0.48



CONTAMINATION

Particles >4µm	3883	1237	2668	5259	
Particles >6µm	864	211	280	678	
Particles >14µm	49	14	14	25	
ISO 4406:1999 (c)	19/17/13	17/15/11	19/15/11	20/17/12	
Silicon	ppm	3	5	4	4
Sodium	ppm	2	0	<1	0
Potassium	ppm	0	1	0	<1



WEAR METALS

Iron	ppm	5	9	4	2
Copper	ppm	14	24	16	13
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	80	83	82	84
Magnesium	ppm	<1	4	4	4
Zinc	ppm	477	463	471	480
Phosphorus	ppm	394	358	381	361
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	<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.

Depot: VOLVO0093
Unique No: 10580081
Signed: Wes Davis
Report Date: 03 Aug 2023

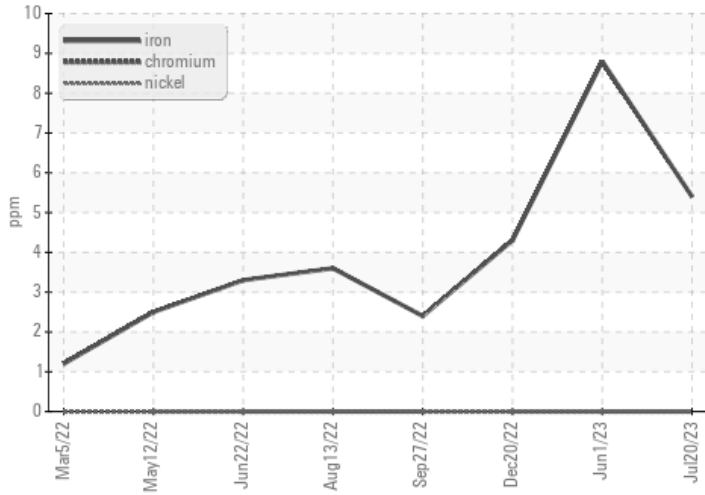


CONSTRUCTION EQUIPMENT

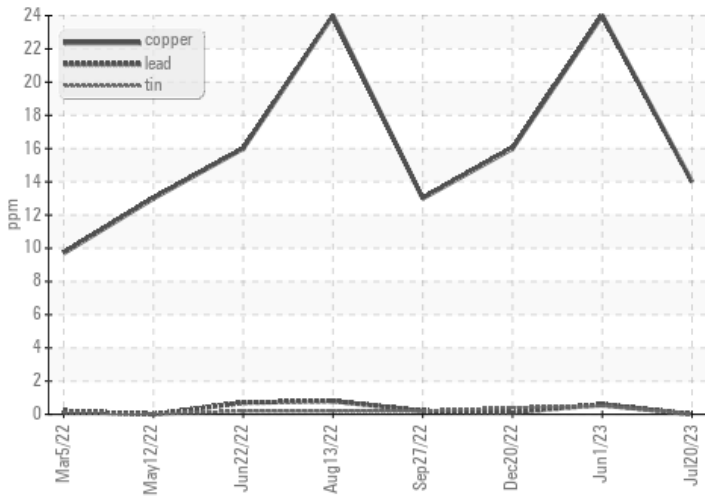


GRAPHS

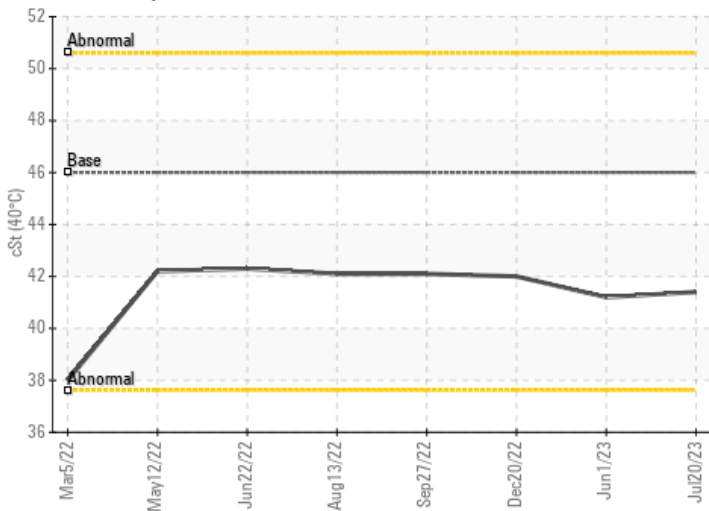
Ferrous Alloys



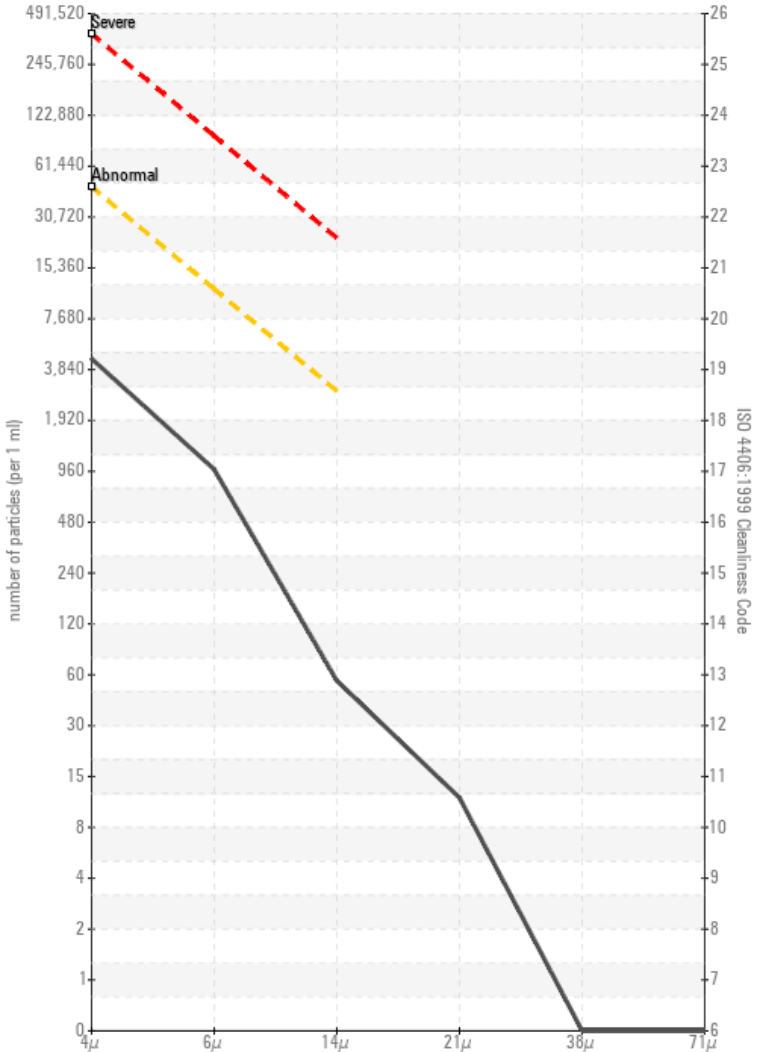
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

