



CONSTRUCTION EQUIPMENT

729087 RENTAL VOLVO EC480E 315 141 - HYDRAULIC SYSTEM



Sample No: VCP449973
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 729087 RENTAL



SAMPLE INFORMATION

Sample Number	VCP449973	VCP453878	VCP437953	VCP440728
Sample Date	07 Jun 2024	20 Mar 2024	27 Jan 2024	23 Dec 2023
Machine Hours	3535	3020	2449	2130
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: Robert LaPlante
 robert.laplante@altg.com
 T: (407)508-9736
 F: (407)659-8720



OIL CONDITION

Visc @ 40°C	cSt	41.6	42.4	42.2	42.6
Acid Number (AN)	mg KOH/g	0.55	0.57	0.72	0.56



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		14661	5374	17230	22789
Particles >6µm		4376	1195	3543	4218
Particles >14µm		230	49	91	147
ISO 4406:1999 (c)		21/19/15	20/17/13	21/19/14	22/19/14
Silicon	ppm	5	4	4	6
Sodium	ppm	1	<1	1	0
Potassium	ppm	<1	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.



WEAR METALS

Iron	ppm	3	1	2	3
Copper	ppm	12	10	11	16
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	0	<1	2
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	157	143	120	121
Magnesium	ppm	2	2	1	1
Zinc	ppm	572	496	471	550
Phosphorus	ppm	426	402	389	466
Barium	ppm	0	0	0	10
Boron	ppm	0	0	0	0

Depot: VOLVO0096
Unique No: 11082872
Signed: Wes Davis
Report Date: 17 Jun 2024

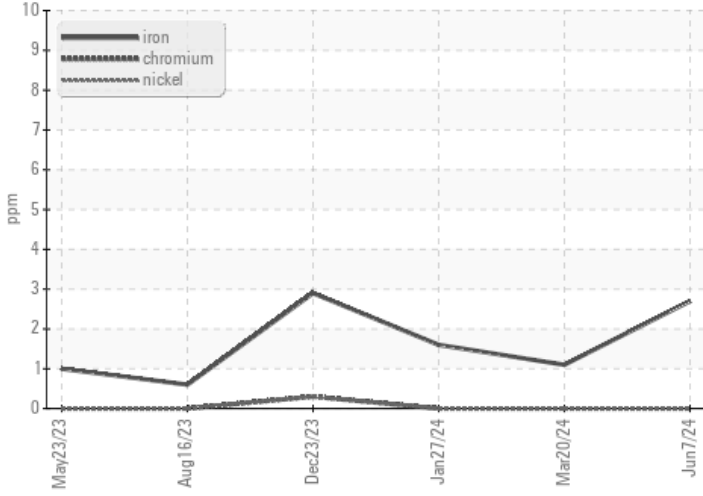


CONSTRUCTION EQUIPMENT

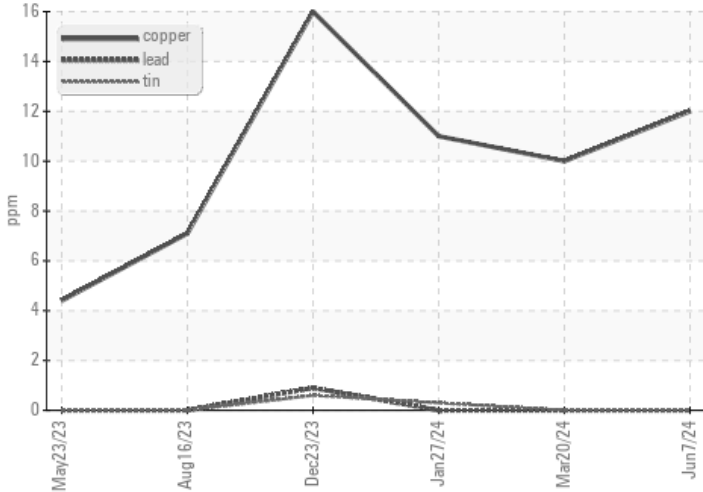


GRAPHS

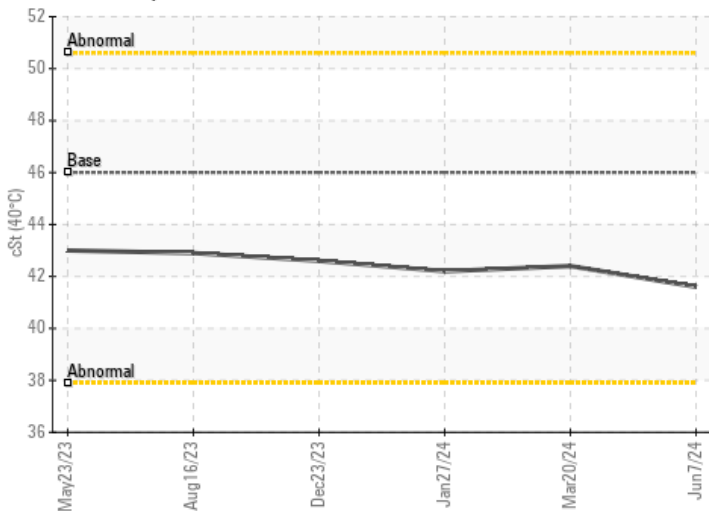
Ferrous Alloys



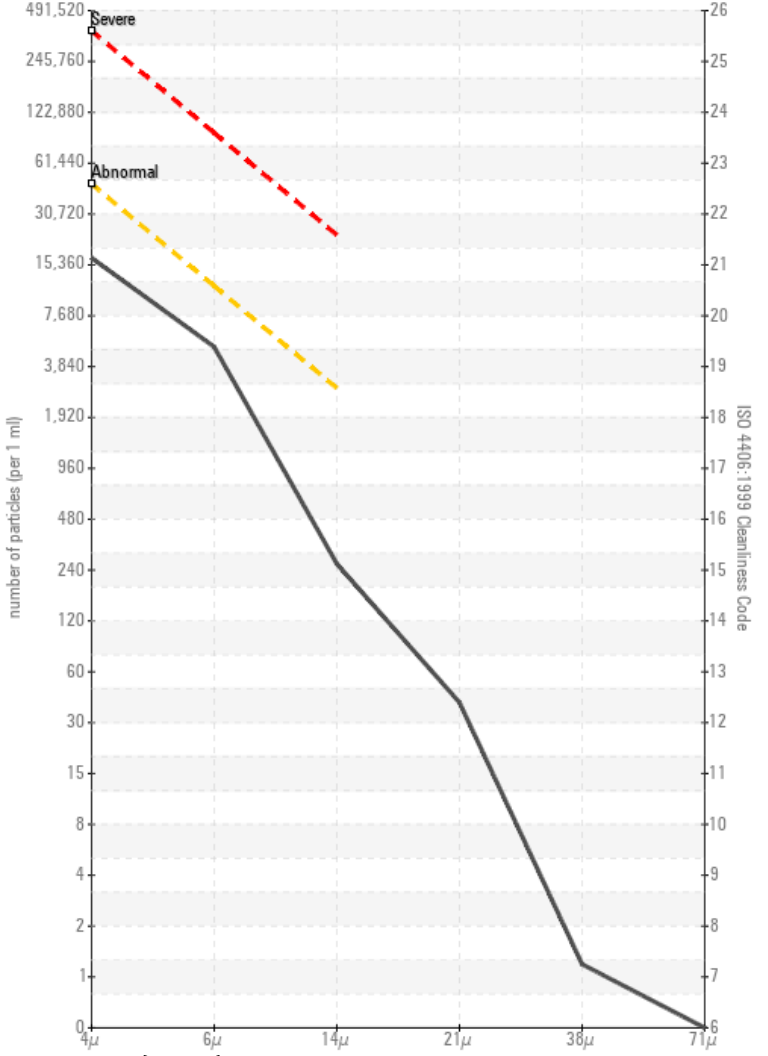
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

