



CONSTRUCTION EQUIPMENT

717425 5378 VOLVO L180H 5378 - HYDRAULIC SYSTEM



Sample No: VCP439980
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 717425



SAMPLE INFORMATION

Sample Number	VCP439980	DJJ022637	VCP433355	VCP312209
Sample Date	05 Jun 2024	05 Apr 2024	22 Nov 2023	03 May 2021
Machine Hours	8050	7610	6747	626
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Changed	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL

TRADEMARK METALS RECYCLING - EVERGLADES
 3440 NW 135TH ST
 OPA LOCKA, FL
 US 33054
 Contact: RYAN BOWDEN



OIL CONDITION

Visc @ 40°C	cSt	49.9	50.1	53.0	41.2
Acid Number (AN)	mg KOH/g	0.65	0.71	0.59	0.347

T:
 F: (305)681-4914



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		6335	12115	3413	21588
Particles >6µm		1630	3570	762	5474
Particles >14µm		59	270	67	520
ISO 4406:1999 (c)		20/18/13	21/19/15	19/17/13	22/20/16
Silicon	ppm	2	2	3	1
Sodium	ppm	3	1	<1	0
Potassium	ppm	<1	0	2	<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	4	2	6	<1
Copper	ppm	2	<1	3	7
Lead	ppm	0	0	1	1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	0	0	<1	0
Chromium	ppm	2	1	2	<1
Molybdenum	ppm	2	1	3	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	926	954	931	69
Magnesium	ppm	12	14	0	2
Zinc	ppm	618	639	746	415
Phosphorus	ppm	518	532	598	313
Barium	ppm	0	0	0	0
Boron	ppm	2	3	4	5

Depot: TRAOPA
Unique No: 11073891
Signed: Wes Davis
Report Date: 13 Jun 2024

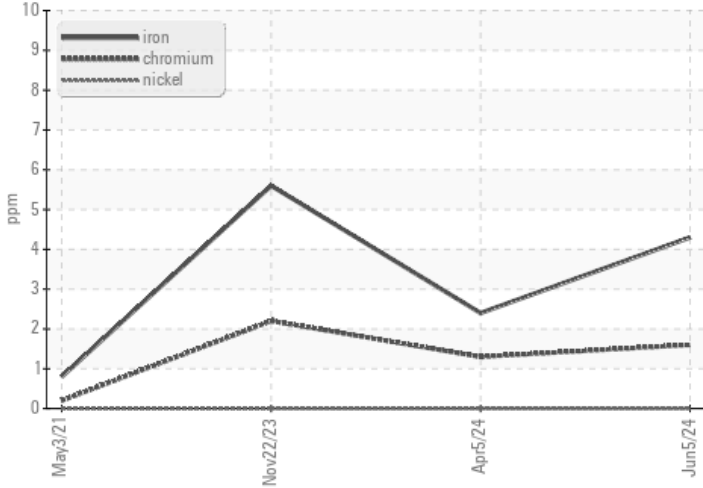


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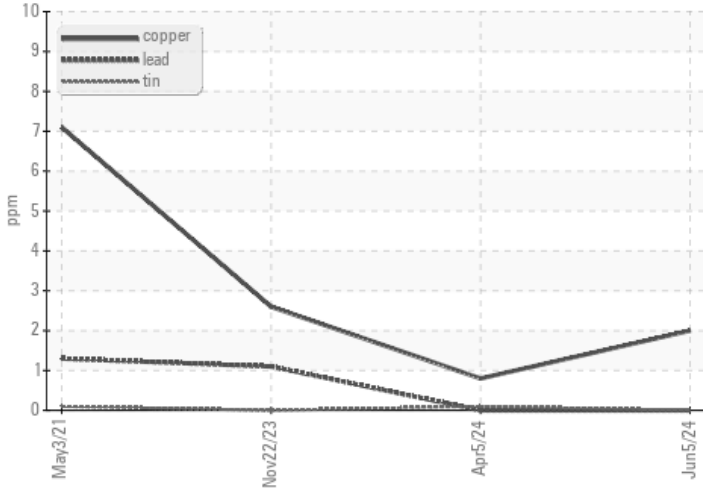


GRAPHS

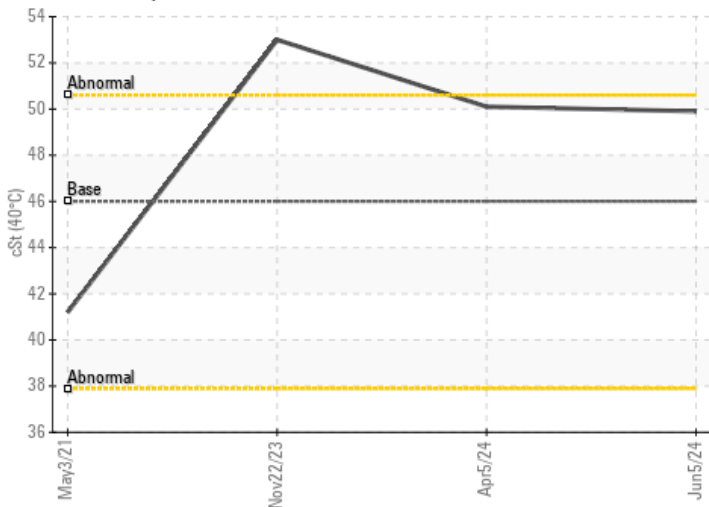
Ferrous Alloys



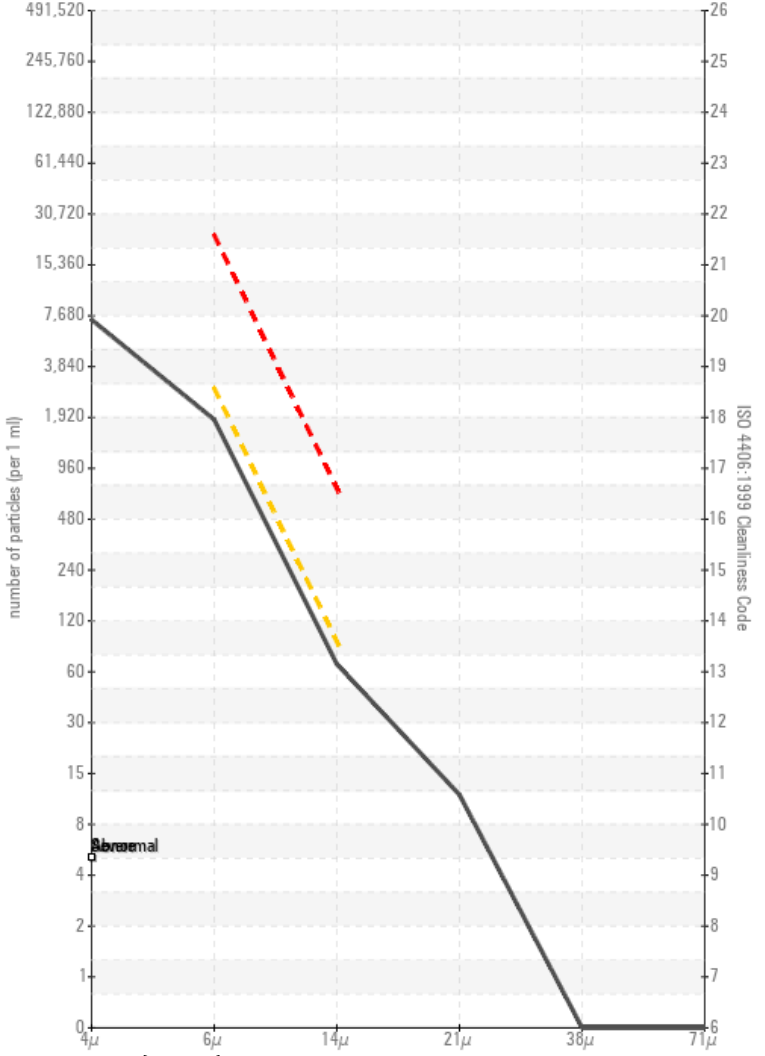
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

