



CONSTRUCTION EQUIPMENT

703273 - HYDRAULIC SYSTEM



Sample No: VCP449794
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 703273



SAMPLE INFORMATION

Sample Number	VCP449794	VCP351682	DJJ0005574	VCP249926
Sample Date	26 Apr 2024	18 Feb 2022	24 Sep 2020	10 Mar 2020
Machine Hours	17538	16264	15059	14553
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ATTENTION	ABNORMAL	ABNORMAL

TRADEMARK METALS RECYCLING - ORLANDO - KAYLEY
 317 WEST KALEY AVENUE
 ORLANDO, FL
 US 32806
 Contact: RYAN BOWDEN



OIL CONDITION

Visc @ 40°C	cSt	51.2	56.0	54.9	48.9
Acid Number (AN)	mg KOH/g	0.46	0.43	0.527	0.540

T: (863)679-7595
 F: (863)679-2871



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		28565	15094	34936	63687
Particles >6µm		▲ 7402	1056	▲ 6354	▲ 17880
Particles >14µm		▲ 361	12	▲ 120	▲ 1218
ISO 4406:1999 (c)		22/20/16	21/17/11	22/20/14	23/21/17
Silicon	ppm	1	2	0	3
Sodium	ppm	<1	<1	0	<1
Potassium	ppm	0	0	<1	<1

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	<1	2	2	3
Copper	ppm	<1	<1	<1	2
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	14	20	10	3
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	153	204	138	168
Magnesium	ppm	45	58	32	37
Zinc	ppm	389	514	441	529
Phosphorus	ppm	329	410	337	458
Barium	ppm	0	0	0	0
Boron	ppm	12	17	11	26

Depot: TMLAK
Unique No: 11006352
Signed: Don Baldrige
Report Date: 03 May 2024

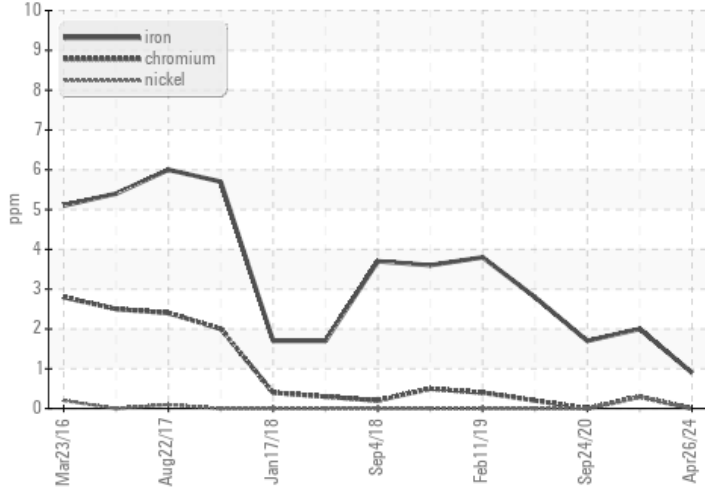


CONSTRUCTION EQUIPMENT

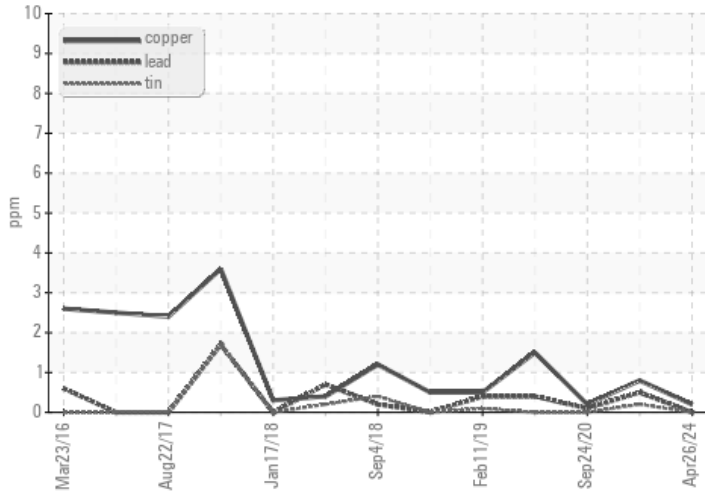


VOLVO GRAPHS

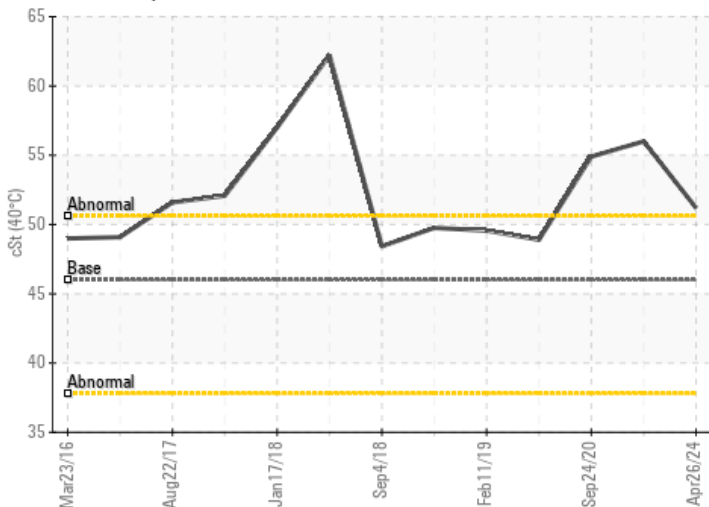
Ferrous Alloys



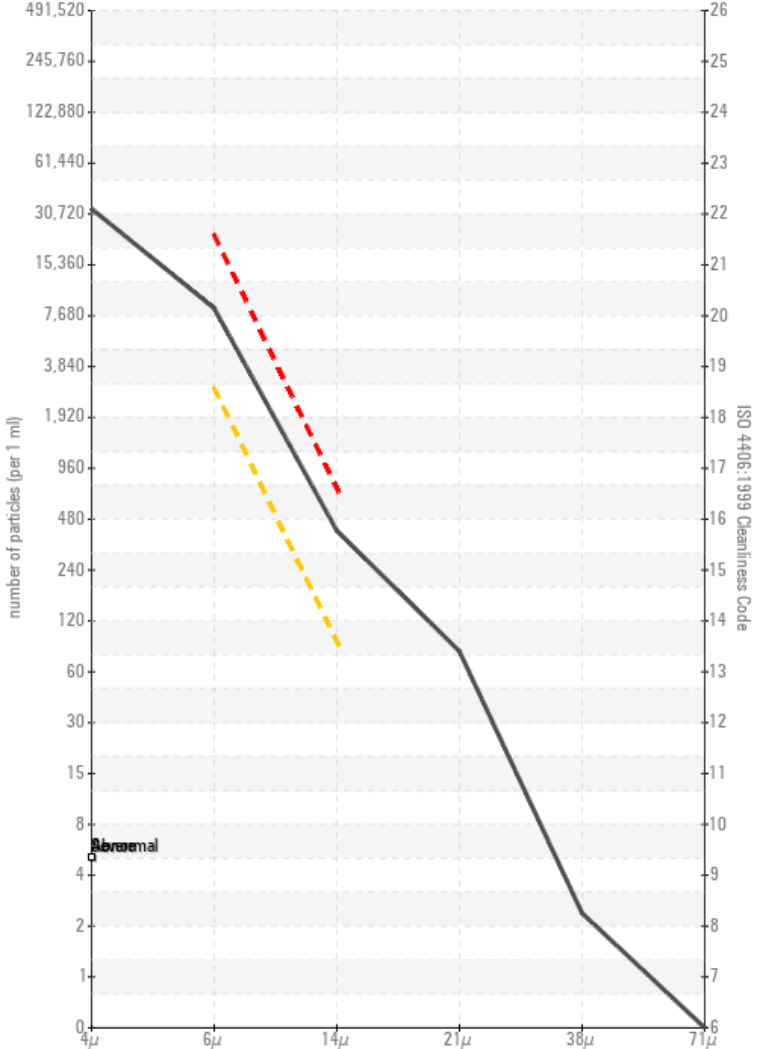
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

