



CONSTRUCTION EQUIPMENT

TMR-OKEECHOBEE 660874 463144 VOLVO L180H 4823 - HYDRAULIC SYSTEM



Sample No: VCP437422
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 660874



SAMPLE INFORMATION

Sample Number	VCP437422	VCP406555	VCP368654	VCP346674
Sample Date	24 Jan 2024	01 May 2023	07 Mar 2023	22 Feb 2022
Machine Hours	15824	13877	13615	9968
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ATTENTION	ABNORMAL	ATTENTION	NORMAL

TRADEMARK METALS RECYCLING - OKEECHOBEE
9800 NE 128TH AVE
OKEECHOBEE, FL
US 34972
Contact: RYAN BOWDEN

OIL CONDITION

Visc @ 40°C	cSt	44.9	46.8	49.0	43.51
Acid Number (AN)	mg KOH/g	0.34	0.29	0.37	0.40

T: (863)467-9810
F: (863)467-9814

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		▲ 8306	▲ 12580	39506	58811
Particles >6µm		▲ 1441	▲ 1303	2199	452
Particles >14µm		■ 83	■ 52	▲ 90	■ 10
ISO 4406:1999 (c)		20/18/14	21/18/13	22/18/14	23/16/10
Silicon	ppm	■ 1	■ 1	■ 3	■ 2
Sodium	ppm	■ 0	■ 6	■ 3	■ 0
Potassium	ppm	■ 1	■ 2	■ 0	■ <1

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	■ 4	■ 2	■ 4	■ 4
Copper	ppm	■ <1	■ 0	■ 1	■ 2
Lead	ppm	■ 0	■ <1	■ 0	■ <1
Tin	ppm	■ 0	■ <1	■ 0	■ 0
Aluminum	ppm	■ 2	■ 0	■ <1	■ 0
Chromium	ppm	■ 2	■ <1	■ 1	■ <1
Molybdenum	ppm	■ 2	■ 3	■ 5	■ 3
Nickel	ppm	■ 0	■ <1	■ 0	■ 0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ 0	■ <1	■ 0	■ 0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 77	■ 66	■ 73	■ 83
Magnesium	ppm	■ 10	■ 8	■ 10	■ 10
Zinc	ppm	■ 438	■ 436	■ 369	■ 472
Phosphorus	ppm	■ 338	■ 339	■ 311	■ 345
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 0	■ <1	■ 2	■ 2

Depot: TRAOKE
Unique No: 10849425
Signed: Wes Davis
Report Date: 30 Jan 2024

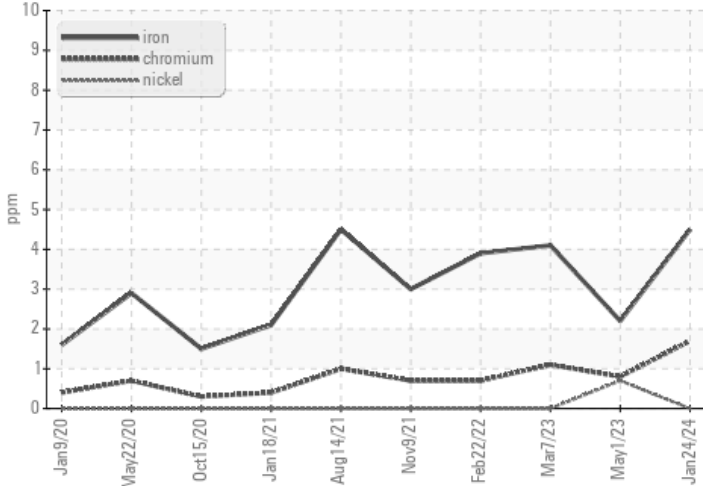


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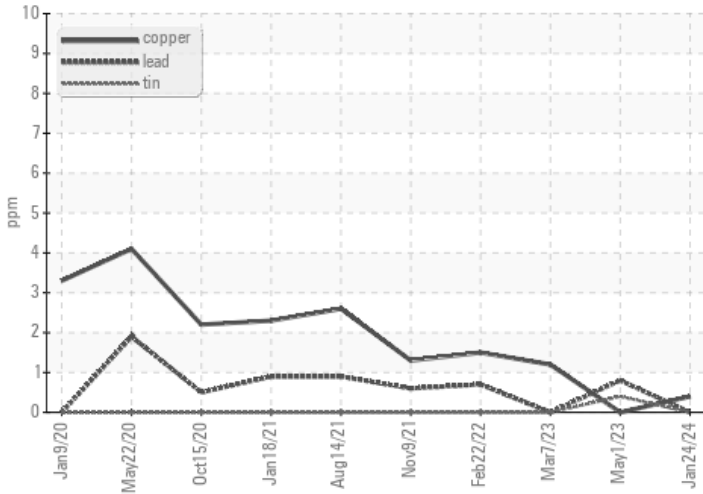


GRAPHS

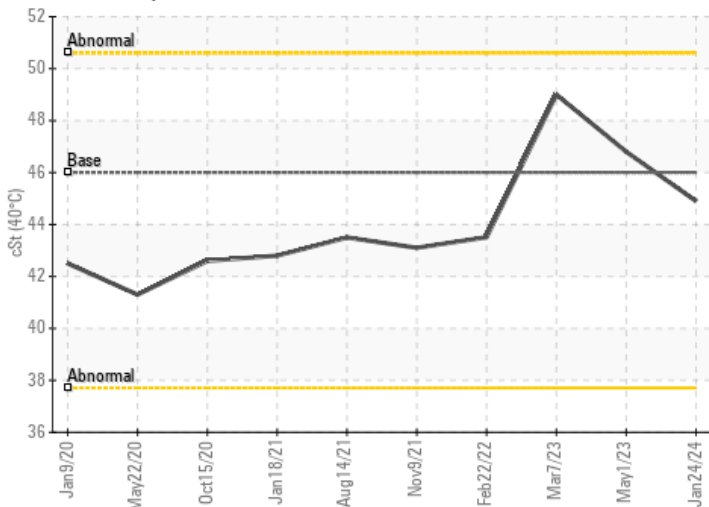
Ferrous Alloys



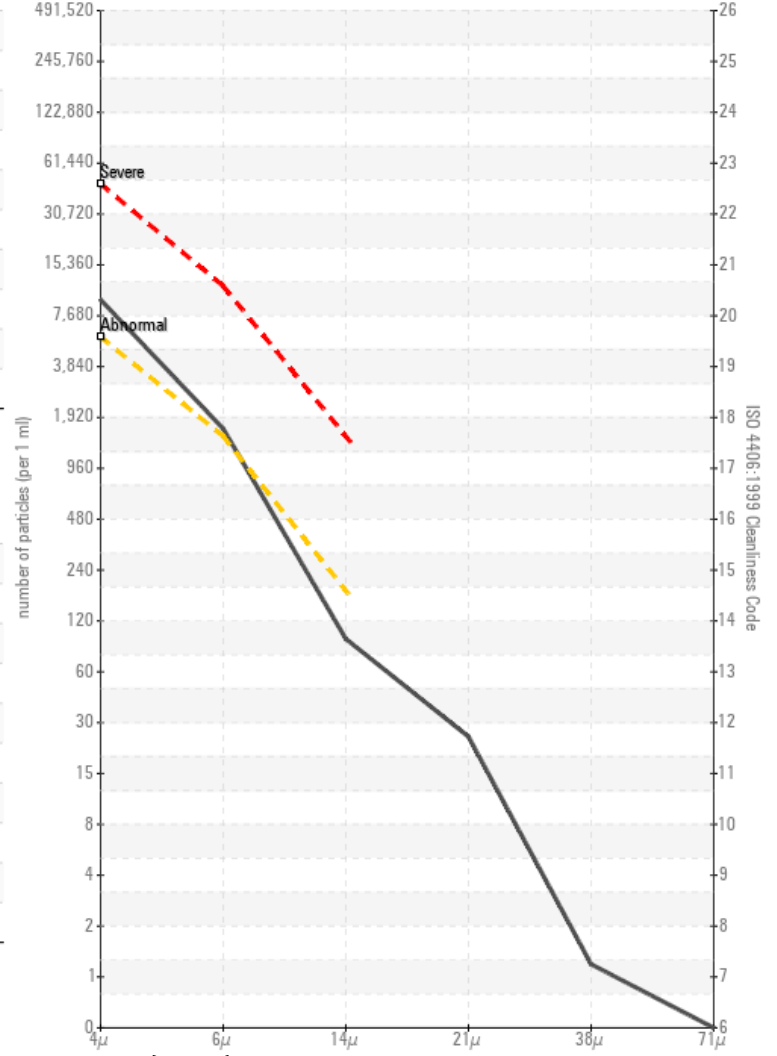
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

