



CONSTRUCTION EQUIPMENT

6183 VOLVO L90H 624973 - HYDRAULIC SYSTEM



Sample No: VCP439133
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 6183



SAMPLE INFORMATION

Sample Number	VCP439133	VCP424950	VCP405109	VCP398508
Sample Date	02 Feb 2024	10 May 2023	04 Apr 2023	31 Jan 2023
Machine Hours	11234	9944	9595	9127
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

FORESTRY RESOURCES
 4353 MICHIGAN LINK
 FORT MYERS, FL
 US 33916
 Contact: COREY MUELLER

OIL CONDITION

Visc @ 40°C	cSt	57.2	53.9	53.3	52.6
Acid Number (AN)	mg KOH/g	0.36	0.38	0.46	0.40

T: (239)872-1856
 F:

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		2350	17788	2492	758
Particles >6µm		831	4284	641	150
Particles >14µm		33	115	53	8
ISO 4406:1999 (c)		18/17/12	21/19/14	18/17/13	17/14/10
Silicon	ppm	5	7	8	8
Sodium	ppm	4	3	3	4
Potassium	ppm	0	1	3	<1

Diagnosis
 Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	3	3	4	4
Copper	ppm	9	8	10	11
Lead	ppm	0	<1	1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	3	0	0
Chromium	ppm	2	2	2	2
Molybdenum	ppm	18	20	21	23
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	348	404	409	423
Magnesium	ppm	61	65	60	58
Zinc	ppm	496	495	475	449
Phosphorus	ppm	382	418	382	386
Barium	ppm	0	0	0	0
Boron	ppm	10	10	11	10

Depot: FORFOTFL
Unique No: 10872815
Signed: Doug Bogart
Report Date: 12 Feb 2024

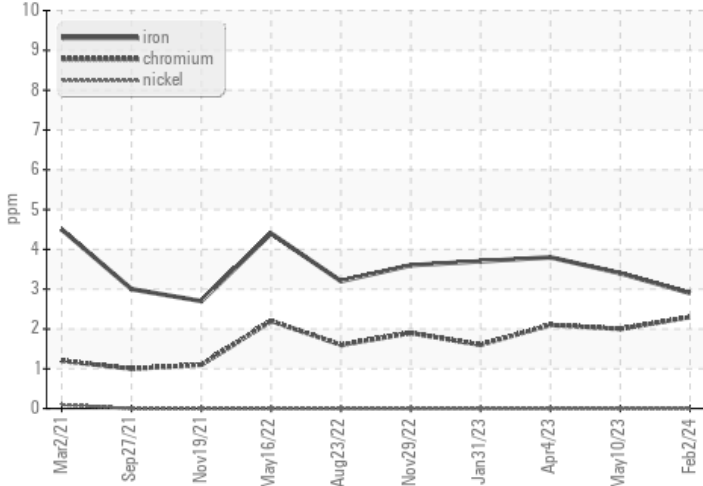


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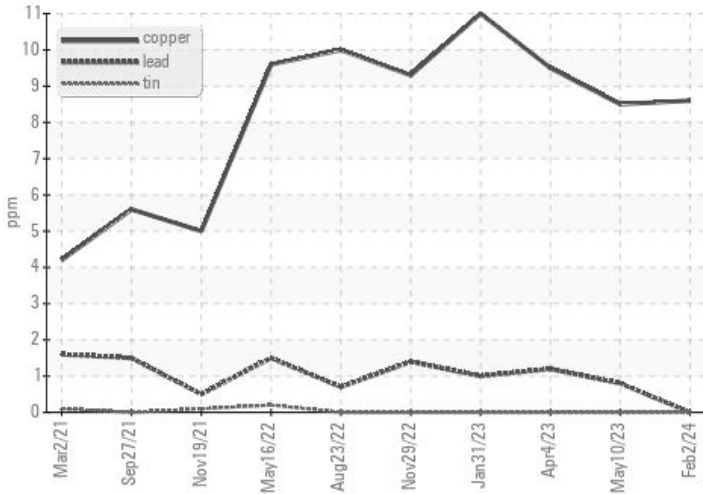


GRAPHS

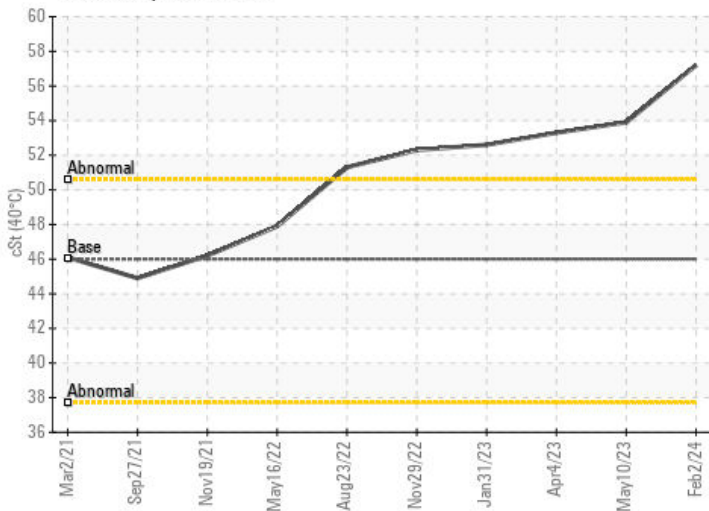
Ferrous Alloys



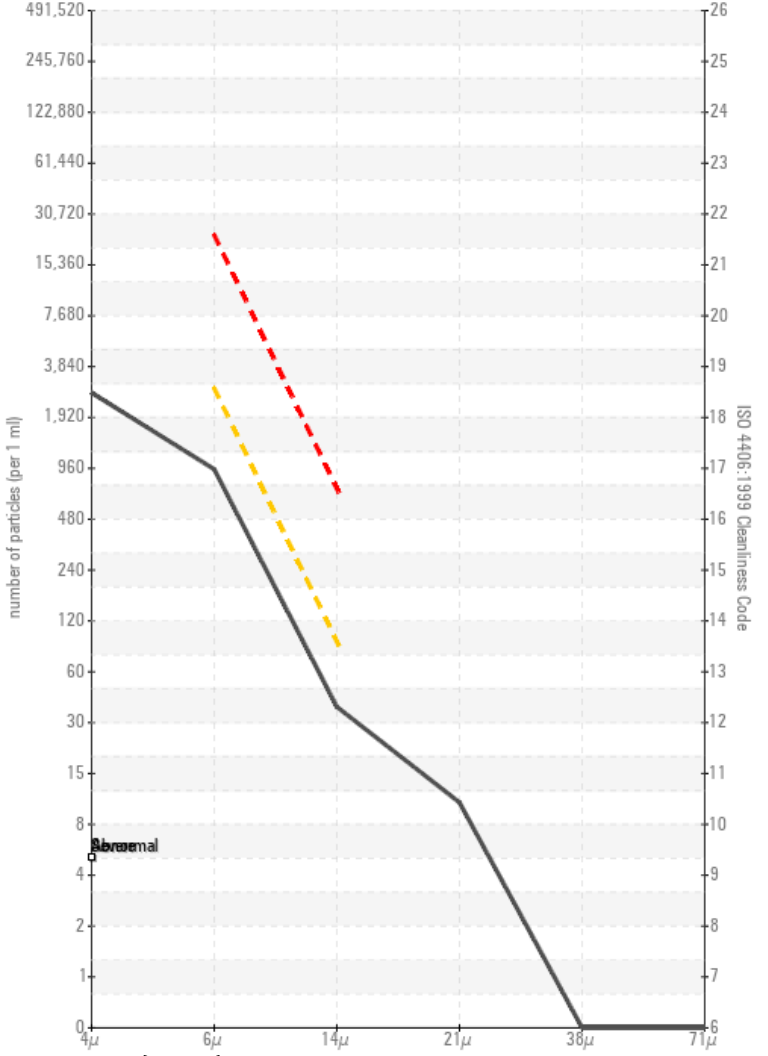
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

