



CONSTRUCTION EQUIPMENT

580038 VOLVO L120H 632528 - HYDRAULIC SYSTEM



Sample No: VCP450654
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 580038



SAMPLE INFORMATION

Sample Number	VCP450654	VCP455046	VCP434077	VCP427060
Sample Date	14 Jun 2024	19 Mar 2024	26 Oct 2023	20 Jun 2023
Machine Hours	13069	17467	11506	10902
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	ABNORMAL	NORMAL	NORMAL

FORESTRY RESOURCES
 4353 MICHIGAN LINK
 FORT MYERS, FL
 US 33916
 Contact: Trey George
 tgeorge@themulchsoilco.com
 T: (239)571-2345
 F:

OIL CONDITION

Visc @ 40°C	cSt	55.4	57.7	54.0	53.8
Acid Number (AN)	mg KOH/g	0.62	0.41	0.40	0.35

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		4198	9515	3005	5061
Particles >6µm		1129	2142	500	748
Particles >14µm		54	206	23	55
ISO 4406:1999 (c)		19/17/13	20/18/15	19/16/12	20/17/13
Silicon	ppm	2	1	2	2
Sodium	ppm	3	2	0	1
Potassium	ppm	4	1	1	0

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

WEAR METALS

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

ADDITIVES

Calcium	ppm	247	367	514	465
Magnesium	ppm	32	33	20	16
Zinc	ppm	518	470	483	427
Phosphorus	ppm	442	328	402	379
Barium	ppm	0	0	0	0
Boron	ppm	7	11	13	12

Depot: FORFORTFL
Unique No: 11088605
Signed: Don Baldrige
Report Date: 22 Jun 2024

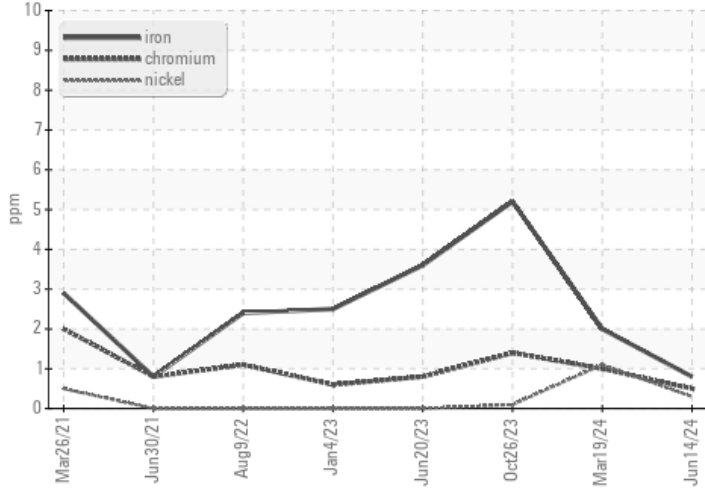


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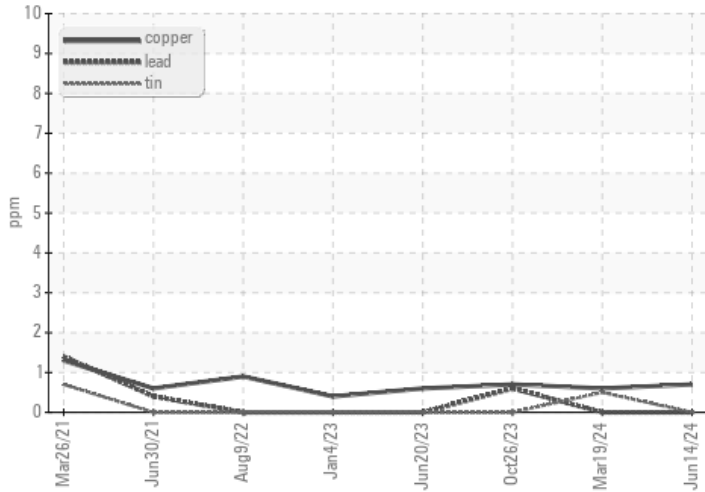


GRAPHS

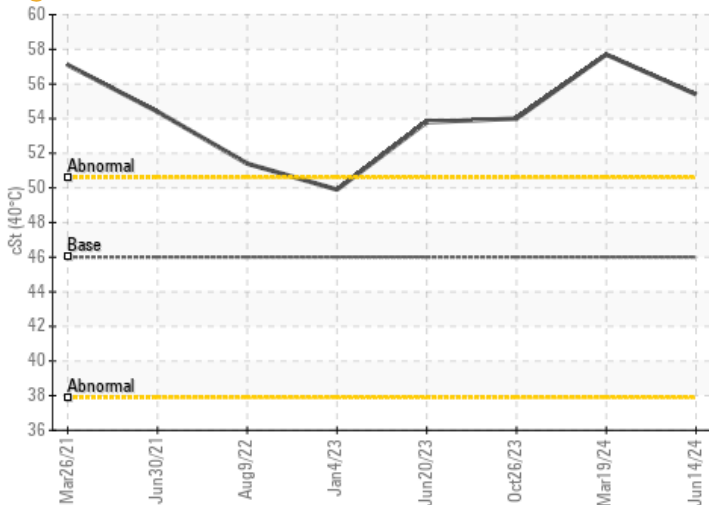
Ferrous Alloys



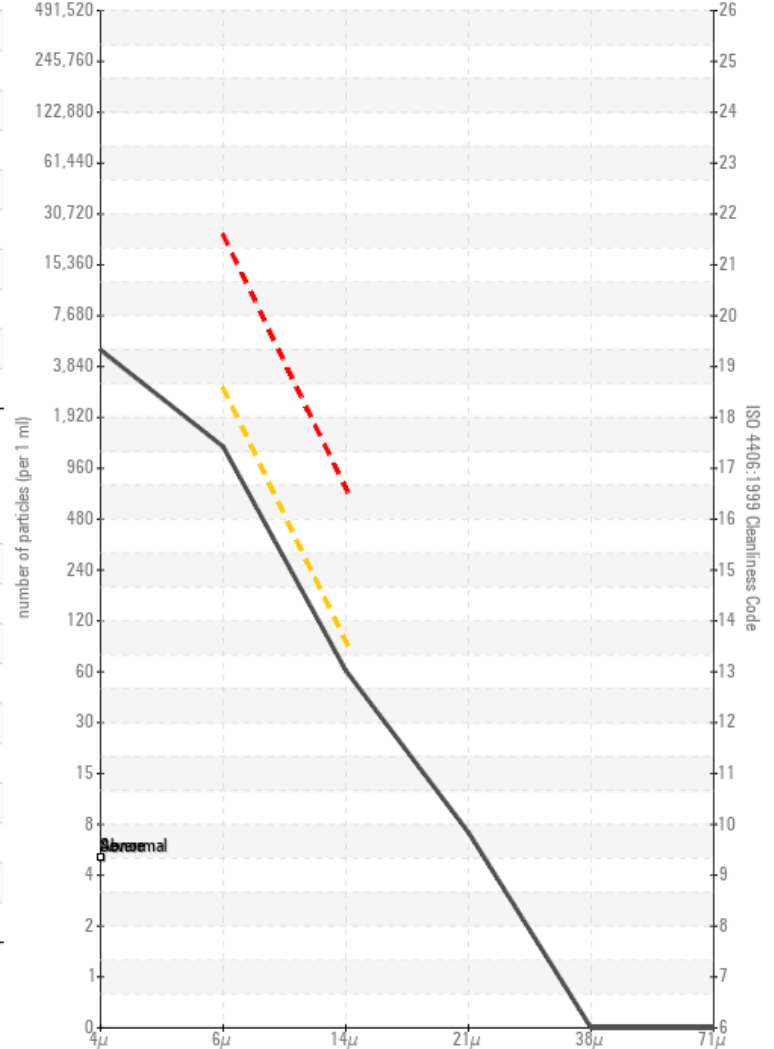
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

