



CONSTRUCTION EQUIPMENT

A12303 VOLVO L120H 633047 - HYDRAULIC SYSTEM



Sample No: VCP446014
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A12303



SAMPLE INFORMATION

Sample Number	VCP446014	VCP430933	VCP400279	VCP372051
Sample Date	18 Mar 2024	01 Nov 2023	11 Jan 2023	22 Jun 2022
Machine Hours	4500	3400	2042	1061
Oil Hours	4500	1000	2042	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

GOURMETS DELIGHT

PO BOX 160
 AVONDALE, PA
 US 19311
 Contact: GABE VALENTINO
 gabe.valentino@gourmetsfinest.com
 T: (610)268-3578
 F: (610)268-2298



OIL CONDITION

Visc @ 40°C	cSt	41.4	41.6	42.2	42.8
Acid Number (AN)	mg KOH/g	0.39	0.36	0.38	0.36



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		116255	84789	82239	10081
Particles >6µm		30654	12792	9963	215
Particles >14µm		528	117	68	17
ISO 4406:1999 (c)		24/22/16	24/21/14	24/20/13	21/15/11
Silicon	ppm	3	4	3	2
Sodium	ppm	3	4	1	0
Potassium	ppm	23	17	8	5

Diagnosis

Oil and 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. Moderate concentration of visible dirt/debris 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	8	7	8	5
Copper	ppm	5	4	3	2
Lead	ppm	<1	1	<1	1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	1	2	1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	74	70	64	59
Magnesium	ppm	6	6	4	4
Zinc	ppm	414	420	409	434
Phosphorus	ppm	330	335	346	325
Barium	ppm	0	0	0	0
Boron	ppm	<1	0	0	<1

Depot: GOUAVO
Unique No: 10937738
Signed: Jonathan Hester
Report Date: 25 Mar 2024

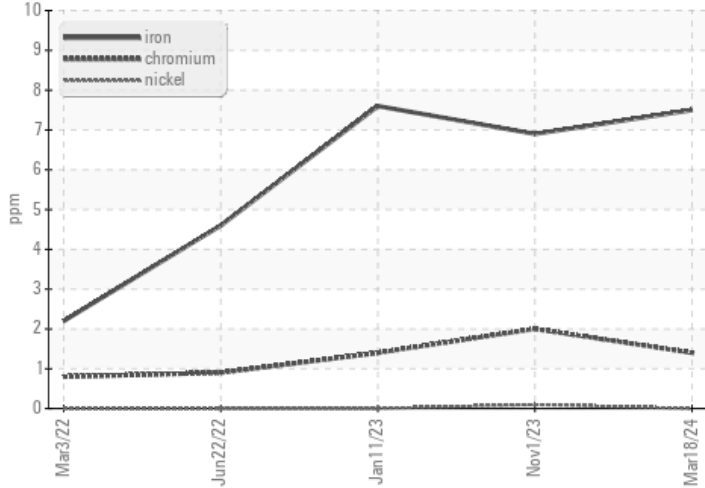


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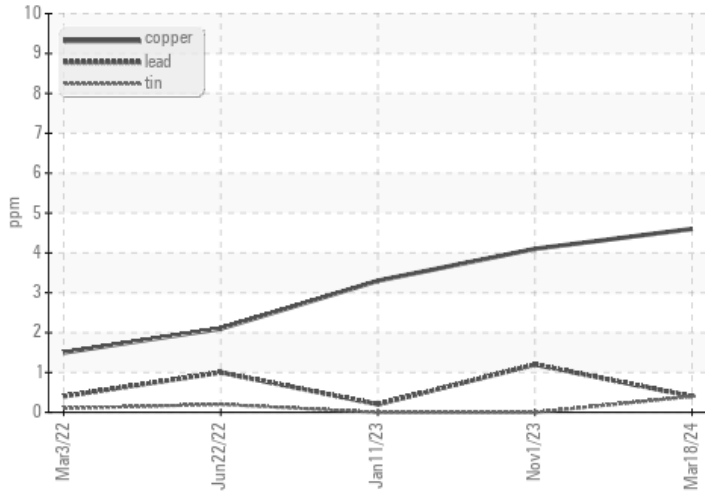


GRAPHS

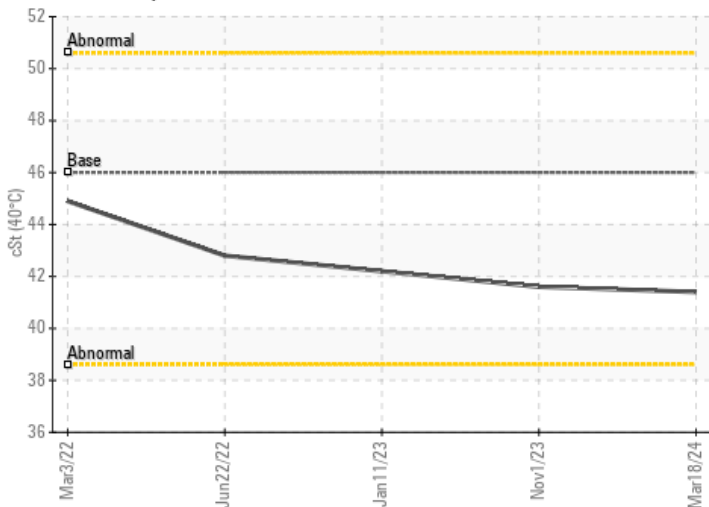
Ferrous Alloys



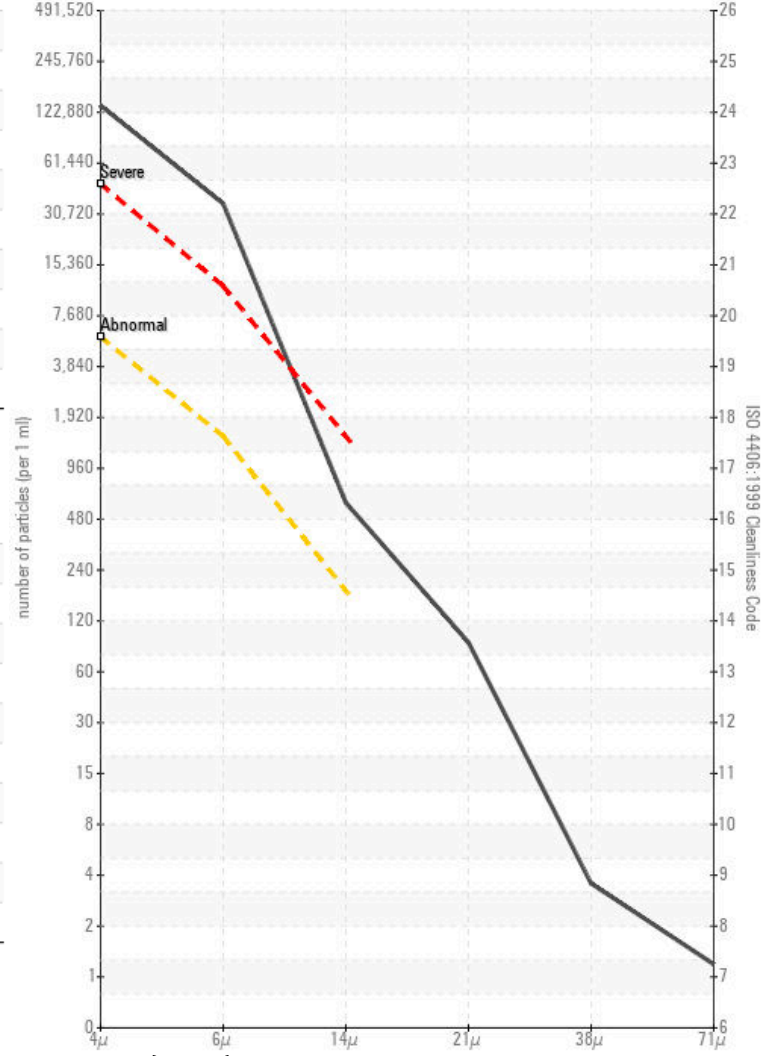
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

