



CONSTRUCTION EQUIPMENT

A12083 VOLVO L120H 632331 - HYDRAULIC SYSTEM



Sample No: VCP405607
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A12083



SAMPLE INFORMATION

Sample Number	VCP405607	VCP434856	VCP424771	VCP418602
Sample Date	20 Feb 2024	05 Dec 2023	28 Aug 2023	14 Jun 2023
Machine Hours	12465	12000	11470	10995
Oil Hours	500	4000	3500	1000
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	NORMAL	ATTENTION

WASTE MANAGEMENT - TELFORD
 400 PROGRESS DR
 TELFORD, PA
 US 18969-1191
 Contact: EDWARD ROGENER
 erogener@wm.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	43.0	41.2	41.2	41.4
Acid Number (AN)	mg KOH/g	0.573	0.47	0.33	0.38

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		10639	6571	3827	3744
Particles >6µm		2554	763	887	1100
Particles >14µm		160	64	52	109
ISO 4406:1999 (c)		21/19/14	20/17/13	19/17/13	19/17/14
Silicon	ppm	2	2	3	2
Sodium	ppm	4	5	5	6
Potassium	ppm	1	1	0	1

Diagnosis
 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 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	3	8	7	6
Copper	ppm	2	3	3	3
Lead	ppm	<1	<1	1	1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	2	1	<1
Chromium	ppm	2	6	5	5
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	146	95	127	95
Magnesium	ppm	18	13	14	12
Zinc	ppm	440	450	466	441
Phosphorus	ppm	341	393	370	352
Barium	ppm	0	6	0	0
Boron	ppm	3	0	0	0

Depot: WASTEL
Unique No: 10901127
Signed: Wes Davis
Report Date: 29 Feb 2024

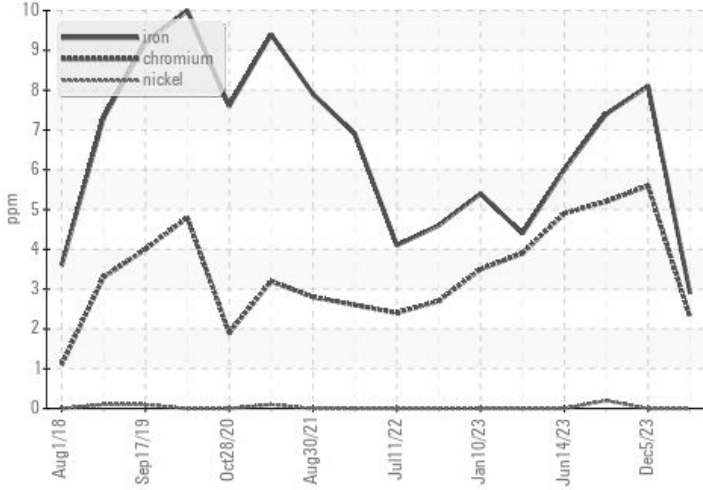


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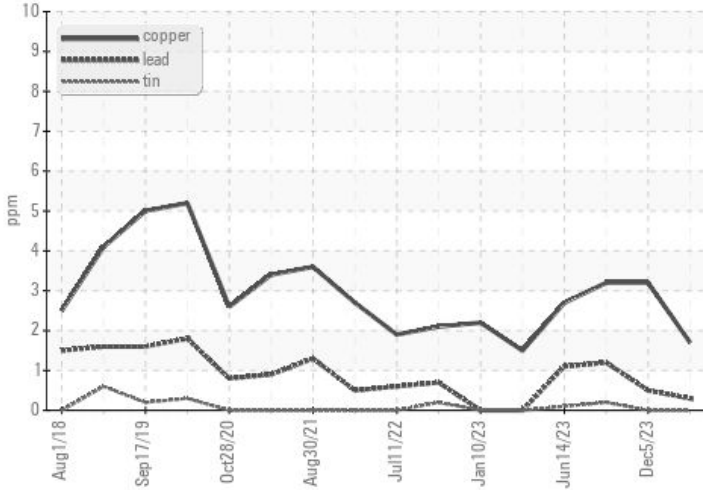


GRAPHS

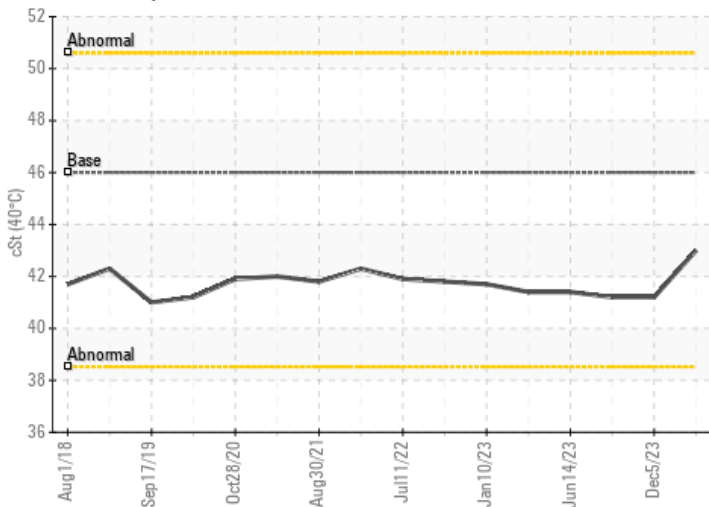
Ferrous Alloys



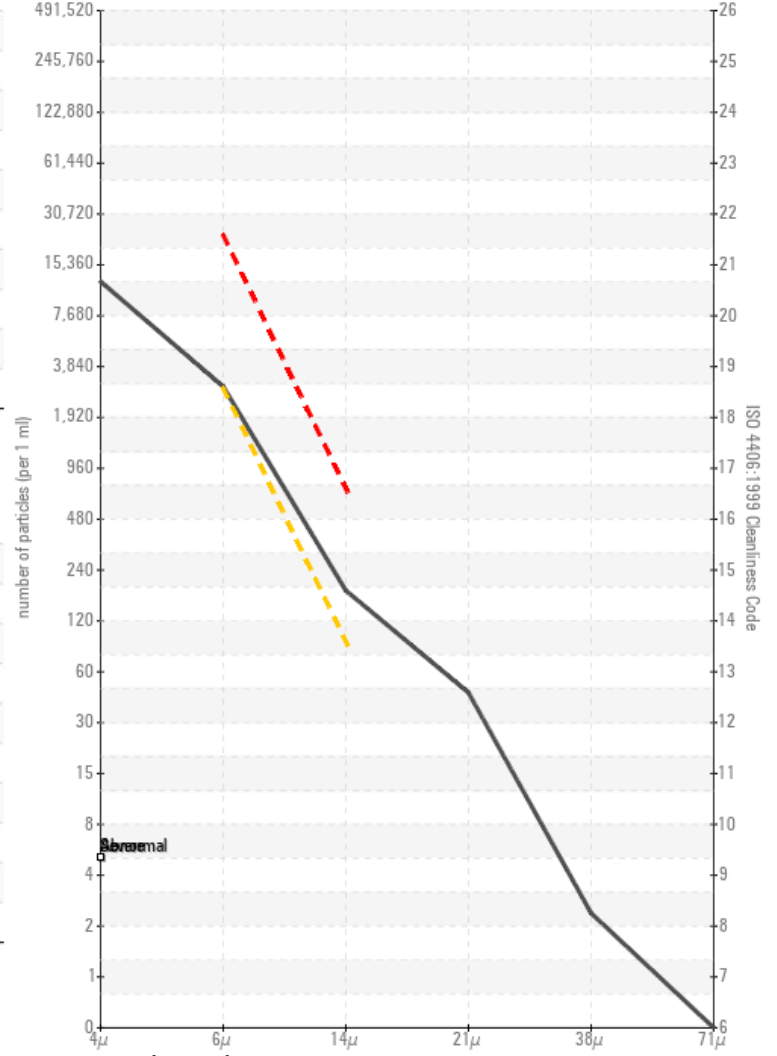
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

