



CONSTRUCTION EQUIPMENT

A11498 VOLVO L120H 632331 - HYDRAULIC SYSTEM



Sample No: VCP434856
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A11498



SAMPLE INFORMATION

Sample Number	VCP434856	VCP424771	VCP418602	VCP406363
Sample Date	05 Dec 2023	28 Aug 2023	14 Jun 2023	03 Apr 2023
Machine Hours	12000	11470	10995	10495
Oil Hours	4000	3500	1000	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

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	41.2	41.2	41.4	41.4
Acid Number (AN)	mg KOH/g	0.47	0.33	0.38	0.45

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		6571	3827	3744	2058
Particles >6µm		763	887	1100	614
Particles >14µm		64	52	▲ 109	56
ISO 4406:1999 (c)		20/17/13	19/17/13	19/17/14	18/16/13
Silicon	ppm	2	3	2	2
Sodium	ppm	5	5	6	5
Potassium	ppm	1	0	1	1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	8	7	6	4
Copper	ppm	3	3	3	2
Lead	ppm	<1	1	1	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	2	1	<1	0
Chromium	ppm	6	5	5	4
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	<1	0

ADDITIVES

Calcium	ppm	95	127	95	91
Magnesium	ppm	13	14	12	14
Zinc	ppm	450	466	441	433
Phosphorus	ppm	393	370	352	358
Barium	ppm	6	0	0	0
Boron	ppm	0	0	0	0

Depot: WASTEL
Unique No: 10796631
Signed: Wes Davis
Report Date: 21 Dec 2023

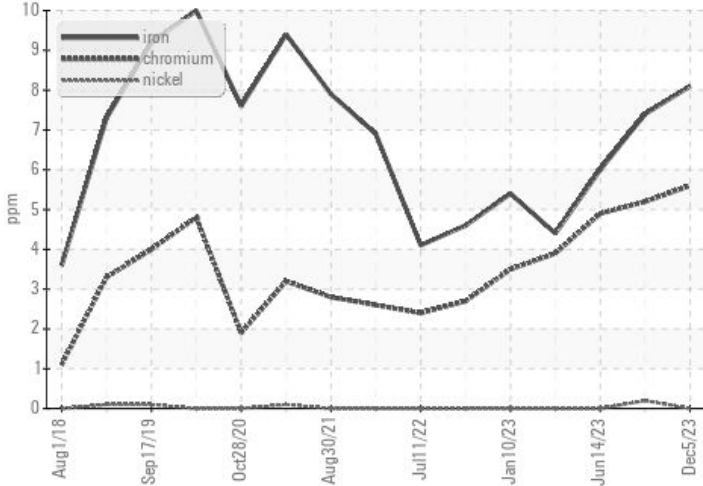


CONSTRUCTION EQUIPMENT

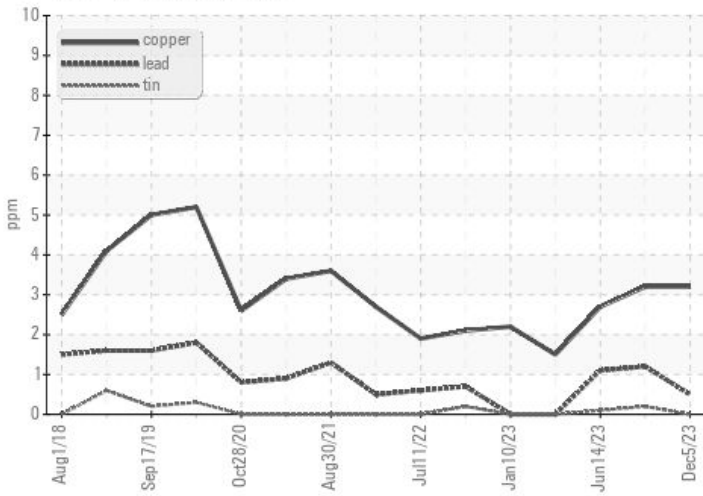


GRAPHS

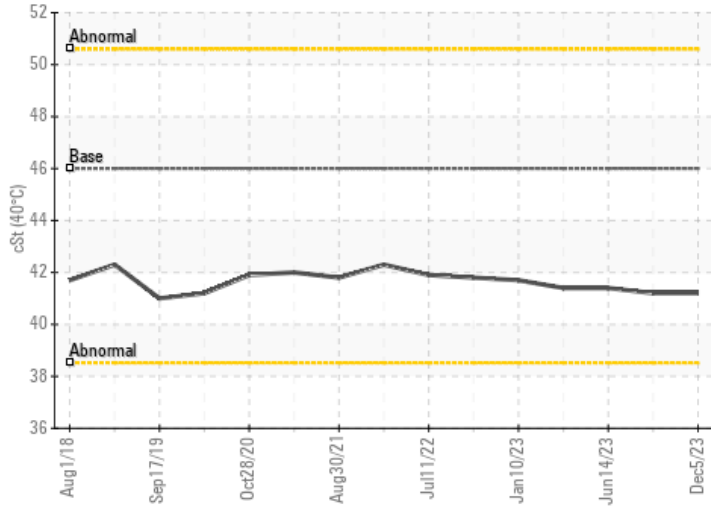
Ferrous Alloys



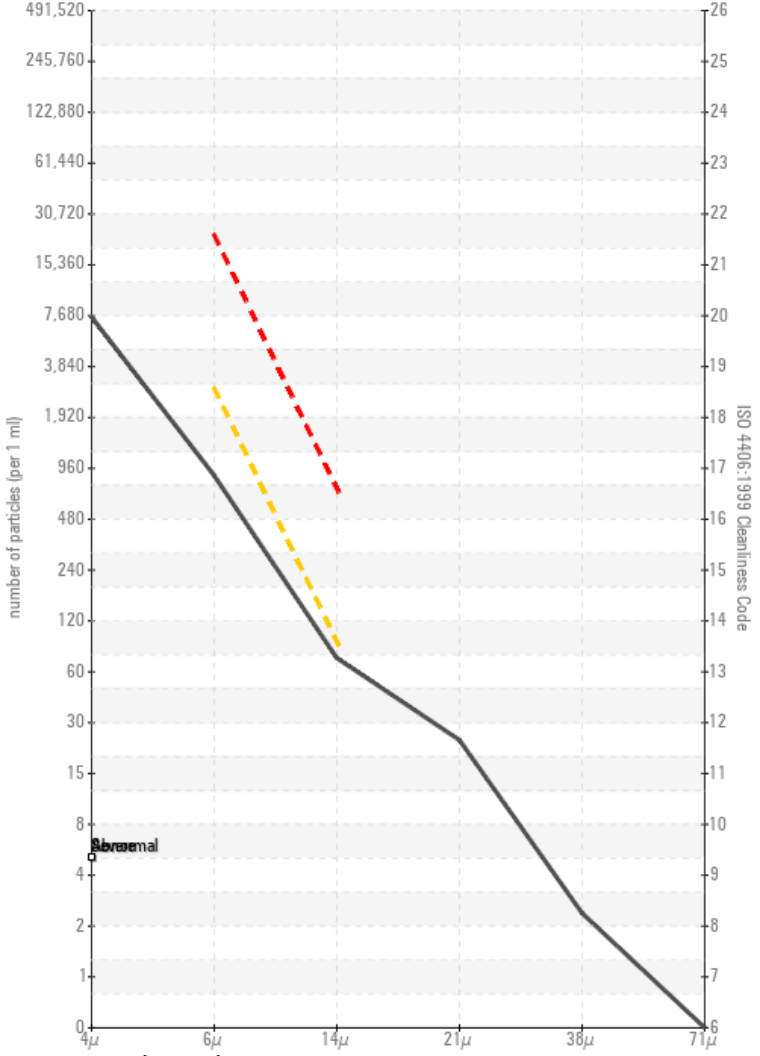
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

