



CONSTRUCTION EQUIPMENT

A10854 VOLVO L120H 632331 - HYDRAULIC SYSTEM



Sample No: VCP424771
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A10854



SAMPLE INFORMATION

Sample Number	VCP424771	VCP418602	VCP406363	VCP386459
Sample Date	28 Aug 2023	14 Jun 2023	03 Apr 2023	10 Jan 2023
Machine Hours	11470	10995	10495	10007
Oil Hours	3500	1000	0	2000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ATTENTION	NORMAL	ABNORMAL

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	41.4	41.4	41.7
Acid Number (AN)	mg KOH/g	0.33	0.38	0.45	0.39



CONTAMINATION

Particles >4µm		3827	3744	2058	14618
Particles >6µm		887	1100	614	4502
Particles >14µm		52	109	56	372
ISO 4406:1999 (c)		19/17/13	19/17/14	18/16/13	21/19/16
Silicon	ppm	3	2	2	2
Sodium	ppm	5	6	5	4
Potassium	ppm	0	1	1	0

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



ADDITIVES

Calcium	ppm	127	95	91	91
Magnesium	ppm	14	12	14	12
Zinc	ppm	466	441	433	415
Phosphorus	ppm	370	352	358	344
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: WASTEL
Unique No: 10648648
Signed: Wes Davis
Report Date: 18 Sep 2023

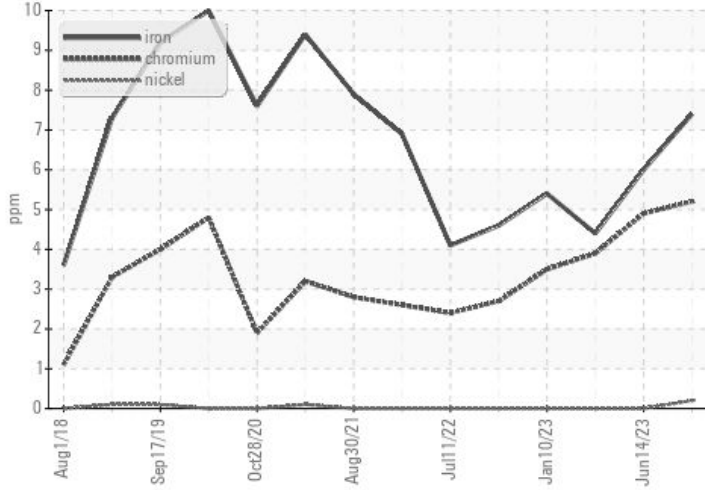


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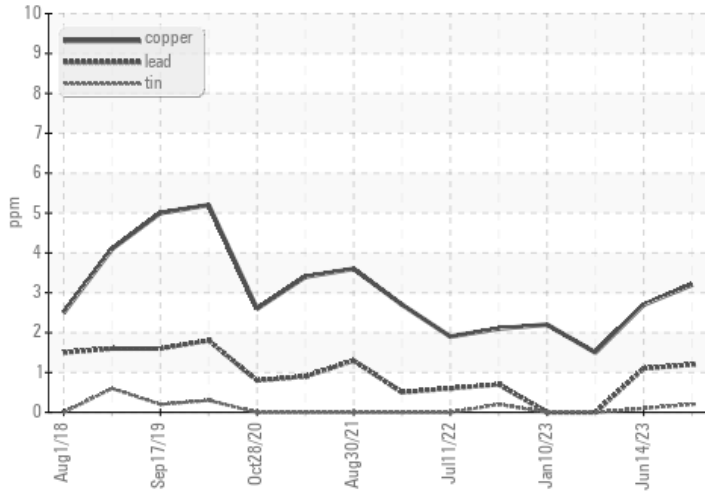


VOLVO GRAPHS

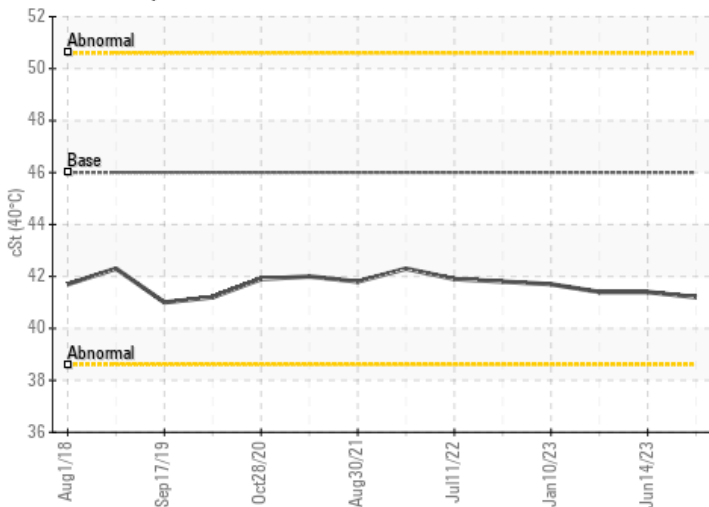
Ferrous Alloys



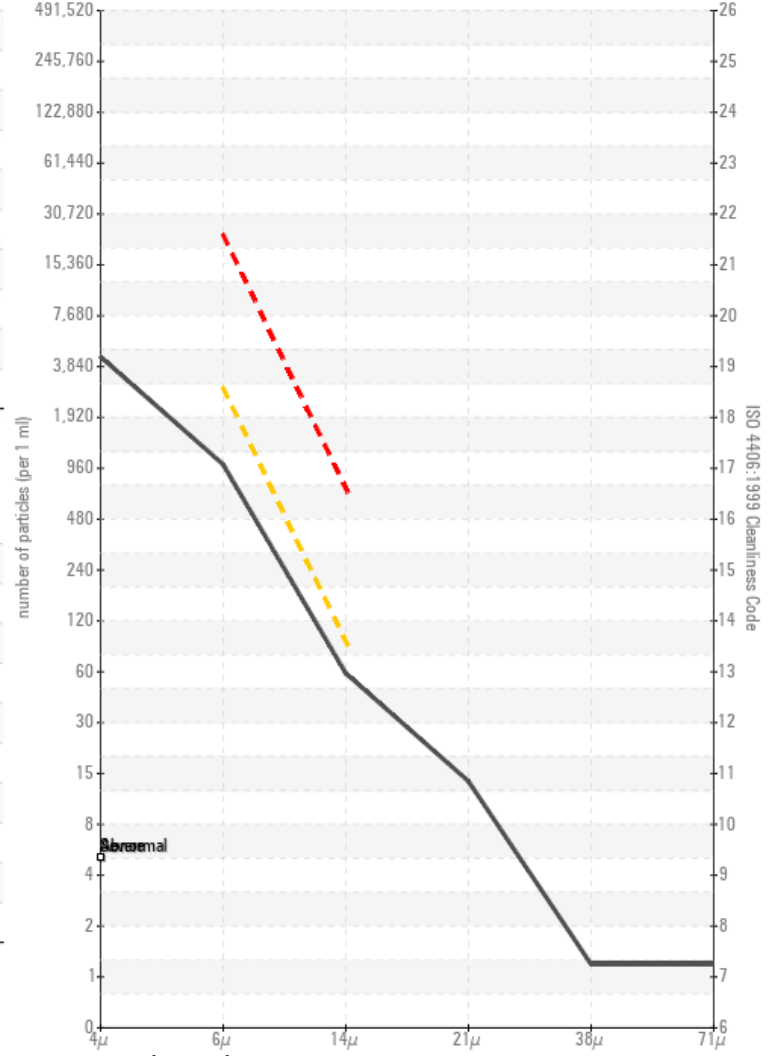
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

