[[600223]] VOLVO L120H 632093 - HYDRAULIC SYSTEM

Sample No: VCP379876

Oil Type: VOLVO SUPER 68

SAMPLE INFORMATION

Sample Number		**VCP379876**	VCP424170	VCP424202	VCP403240
Sample Date		**19 Apr 2024**	21 Sep 2023	07 Sep 2023	01 Aug 2023
Machine Hours		**20875**	19017	18922	18768
Oil Hours		**0**	0	0	0
Oil Changed		**Changed**	Not Changd	Not Changd	Changed
Sample Status		**ABNORMAL**	ATTENTION	ABNORMAL	SEVERE

OIL CONDITION

Visc @ 40°C	cSt	**42.9**	42.6	43.2	42.3
Acid Number (AN)	mg KOH/g	**0.44**	0.40	0.35	0.43

CONTAMINATION

Water	%	**NEG**	NEG	NEG	NEG
Particles >4µm		**24032**	4189	19181	127045
Particles >6µm		**7663**	1532	6114	51021
Particles >14µm		**607**	134	435	1775
ISO 4406:1999 (c)		**22/20/16**	19/18/14	21/20/16	24/23/18
Silicon	ppm	**0**	2	2	5
Sodium	ppm	**<1**	0	0	6
Potassium	ppm	**0**	1	0	3

WEAR METALS

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

ADDITIVES

Calcium	ppm	**58**	60	67	88
Magnesium	ppm	**<1**	2	3	2
Zinc	ppm	**465**	441	472	402
Phosphorus	ppm	**379**	331	365	326
Barium	ppm	**0**	0	0	0
Boron	ppm	**0**	0	0	0

PACWEST MACHINERY
8207 SOUTH 216TH STREET
KENT, WA
US 98032
Contact: MIKE SCHNEIDER
MSCHNEIDER@PACWESTMACHINERY.COM
T:
F: (509)534-5286

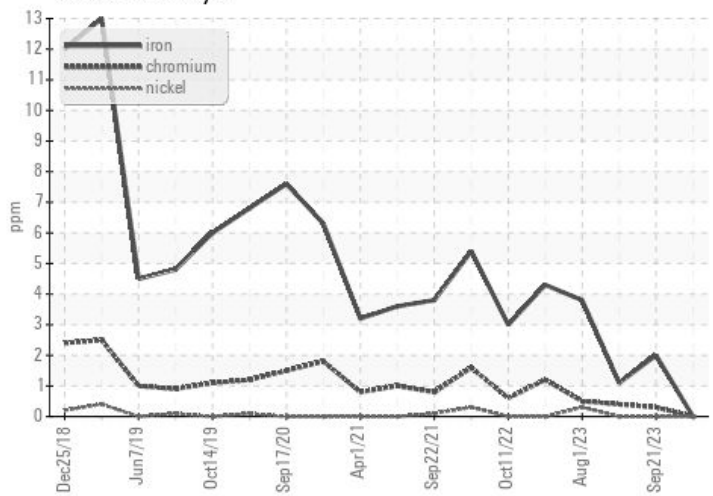
Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

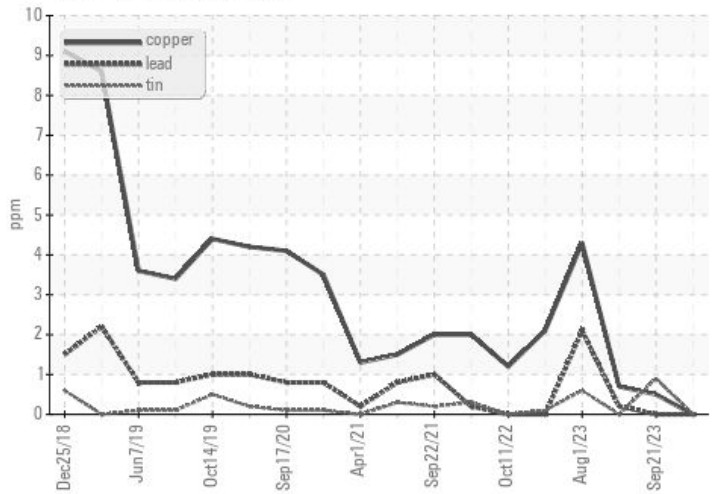
Depot: VOLVO1271
Unique No: 11005004
Signed: Wes Davis
Report Date: 01 May 2024

GRAPHS

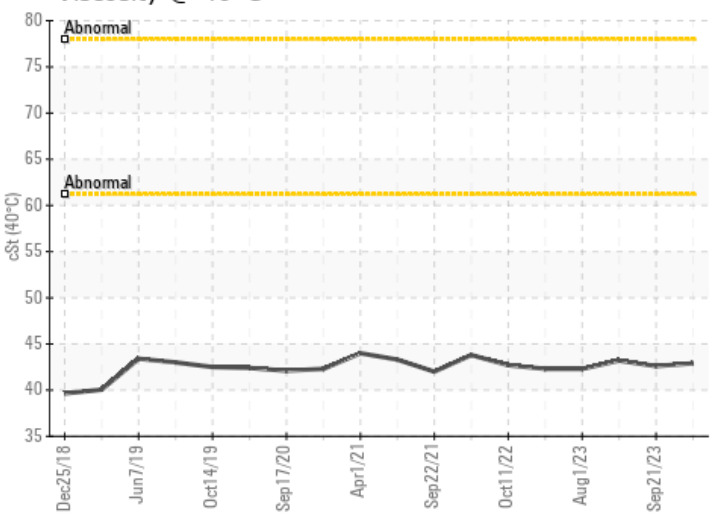
Ferrous Alloys



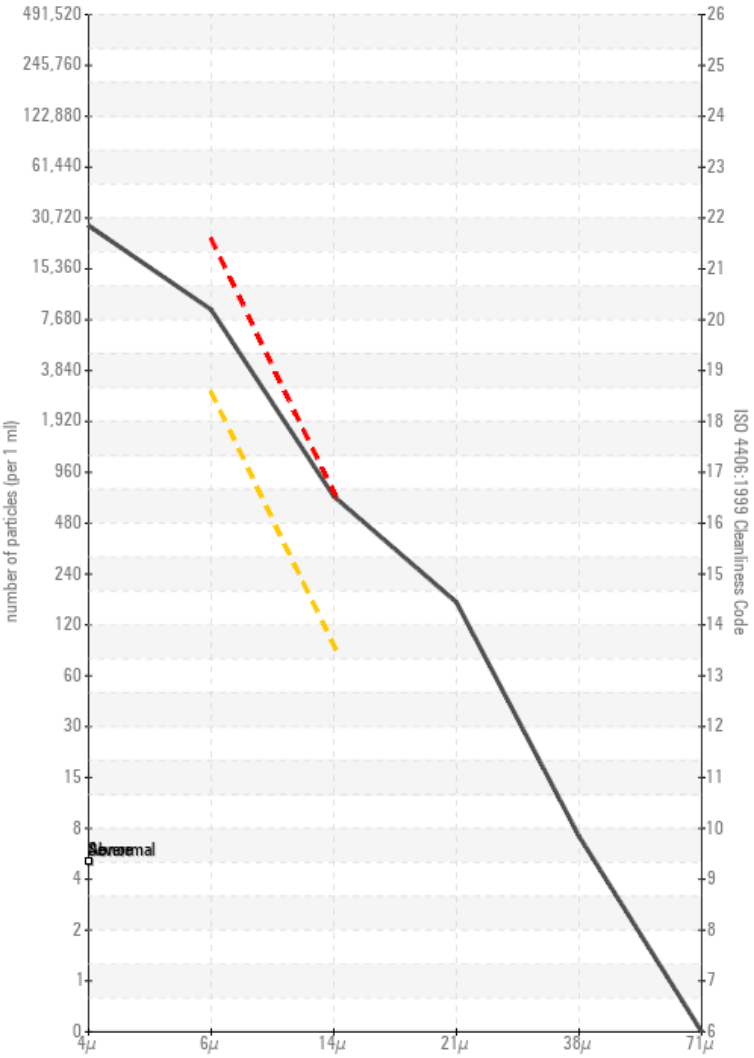
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number