



CONSTRUCTION EQUIPMENT

A12475 VOLVO L120G 30297 - HYDRAULIC SYSTEM



Sample No: VCP446461
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A12475



SAMPLE INFORMATION

Sample Number	VCP446461	VCP348036	VCP257032	VCP228870
Sample Date	17 Apr 2024	31 Jan 2022	16 Oct 2019	11 May 2018
Machine Hours	17040	16450	15210	13880
Oil Hours	1500	1000	1000	2000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	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	40.3	39.9	39.4	39.84
Acid Number (AN)	mg KOH/g	0.32	0.43	0.408	0.375

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		17348	5339	2933	13606
Particles >6µm		▲ 5131	1434	664	▲ 4035
Particles >14µm		● 133	102	40	▲ 383
ISO 4406:1999 (c)		21/20/14	20/18/14	19/17/12	21/19/16
Silicon	ppm	5	6	6	6
Sodium	ppm	4	5	3	3
Potassium	ppm	0	0	<1	<1

Diagnosis

The filter 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 silt (particulates < 14 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.

WEAR METALS

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

ADDITIVES

Calcium	ppm	95	105	100	86
Magnesium	ppm	4	4	2	2
Zinc	ppm	390	440	475	434
Phosphorus	ppm	304	338	353	362
Barium	ppm	0	0	<1	0
Boron	ppm	0	4	1	1

Depot: WASTEL
Unique No: 10991255
Signed: Wes Davis
Report Date: 23 Apr 2024

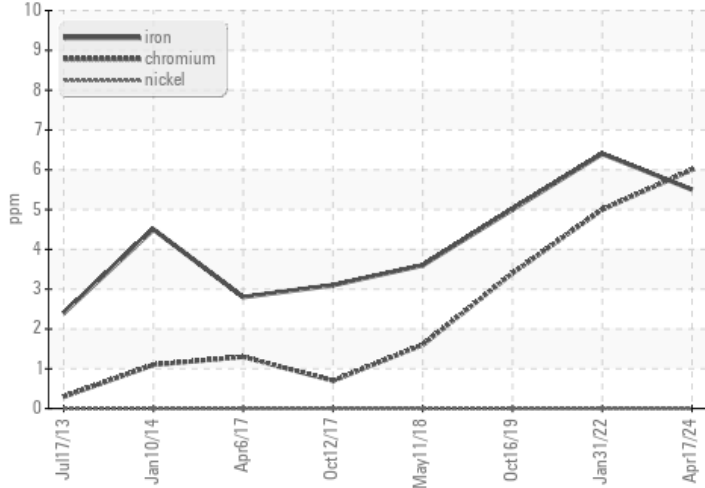


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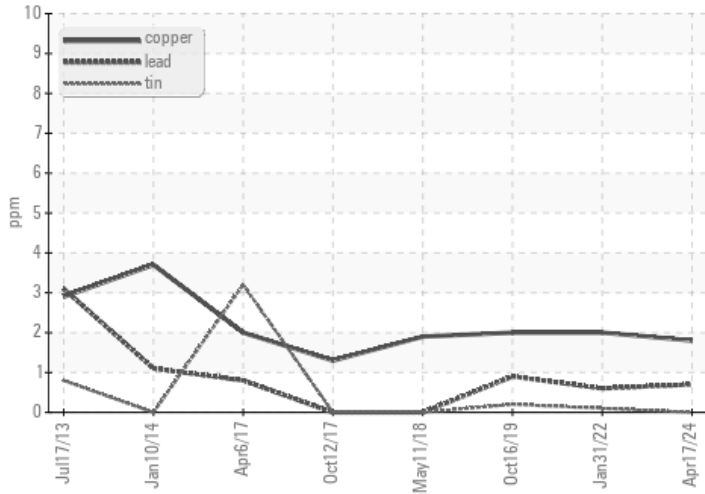


VOLVO GRAPHS

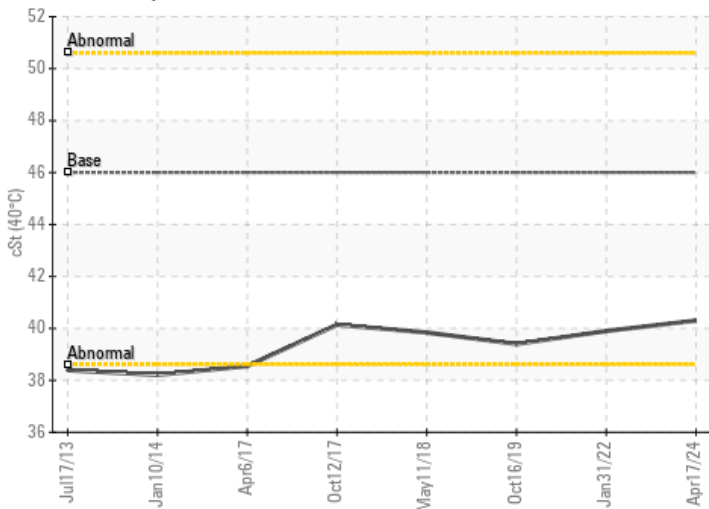
Ferrous Alloys



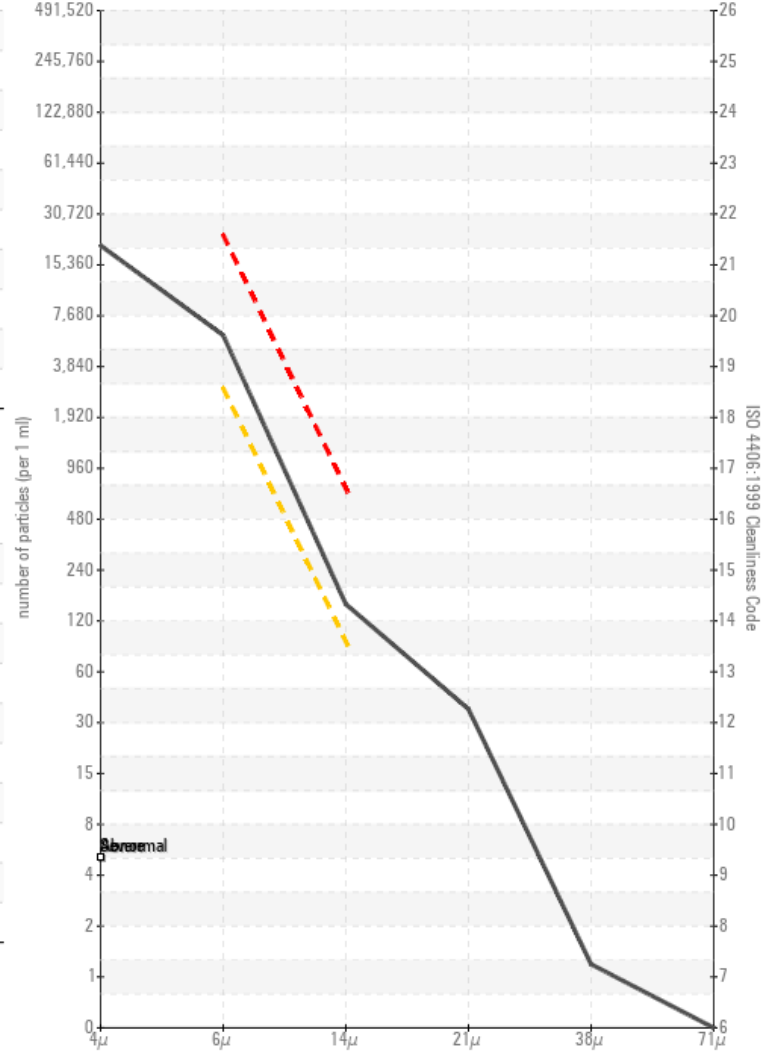
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

