



CONSTRUCTION EQUIPMENT

133900 VOLVO A25G 740046 - HYDRAULIC SYSTEM



Sample No: VCP410081
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 133900



SAMPLE INFORMATION

Sample Number	VCP410081	VCP371699	VCP314139	VCP322668
Sample Date	01 Aug 2023	17 Nov 2022	27 May 2022	28 May 2021
Machine Hours	9169	8779	8446	7406
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

FCS CONSTRUCTION LLC
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 Contact: SHANE WHITEWOOD
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 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	46.5	43.3	42.2	44.3
Acid Number (AN)	mg KOH/g	0.61	0.39	0.37	0.453

CONTAMINATION

Particles >4µm		---	14616	560	3576
Particles >6µm		---	769	90	473
Particles >14µm		---	33	13	32
ISO 4406:1999 (c)		---	21/17/12	16/14/11	19/16/12
Silicon	ppm	1	3	1	3
Sodium	ppm	2	2	1	<1
Potassium	ppm	<1	0	0	<1

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris 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	2	11	3	6
Copper	ppm	2	4	2	6
Lead	ppm	2	2	<1	2
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	2	1	0	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	386	187	54	81
Magnesium	ppm	13	2	0	7
Zinc	ppm	550	440	444	425
Phosphorus	ppm	449	385	341	309
Barium	ppm	<1	0	0	0
Boron	ppm	0	<1	1	2

Depot: FCS DAL
Unique No: 10603270
Signed: Don Baldrige
Report Date: 15 Aug 2023

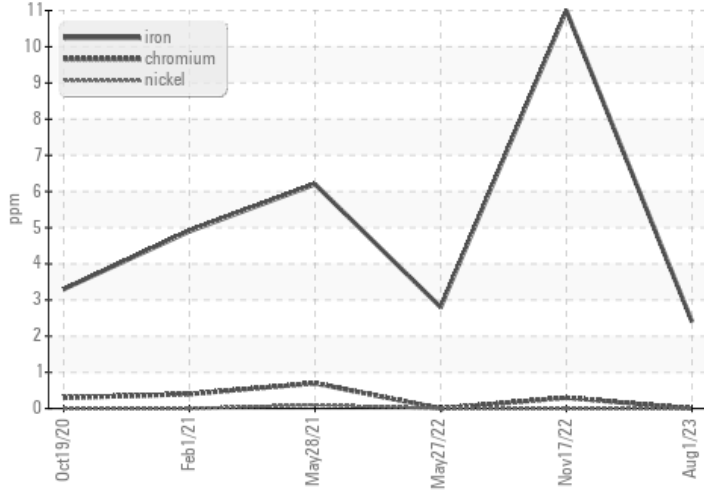


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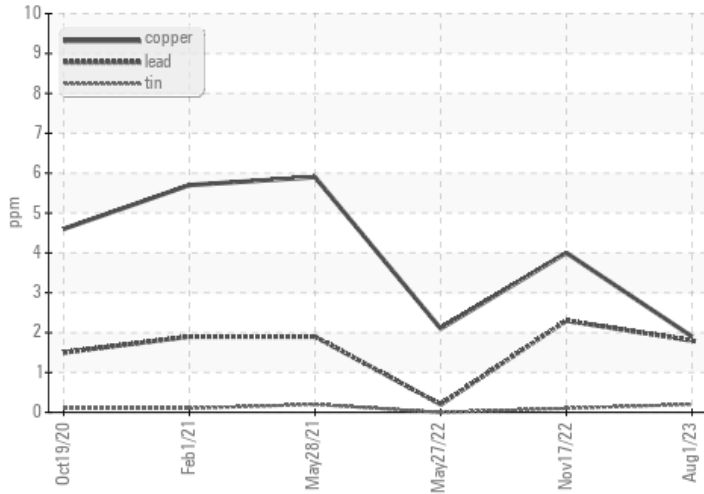


GRAPHS

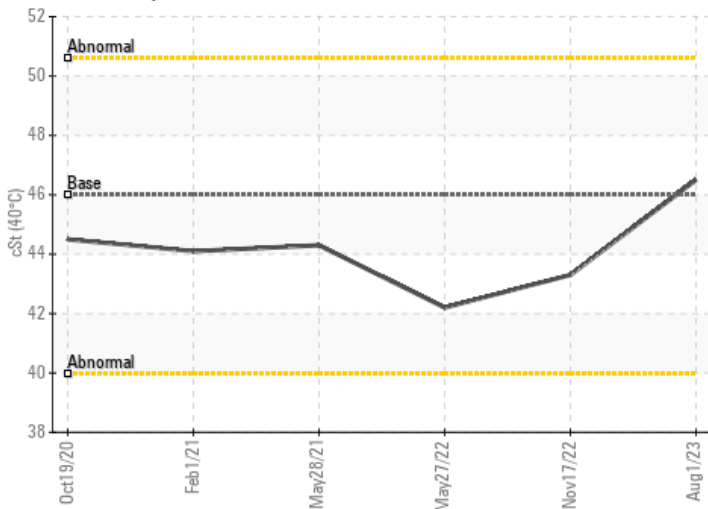
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

