



CONSTRUCTION EQUIPMENT

X47784 VOLVO A25G 752361 - HYDRAULIC SYSTEM



Sample No: VCP452394
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: X47784



SAMPLE INFORMATION

Sample Number	VCP452394	VCP414772	VC379706	VC410464
Sample Date	10 Apr 2024	11 Oct 2023	30 Aug 2022	10 May 2022
Machine Hours	3520	3370	2003	1000
Oil Hours	0	0	2003	500
Oil Changed	N/A	N/A	Changed	Changed
Sample Status	ABNORMAL	ATTENTION	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	40.6	40.6	43.8	44.3
Acid Number (AN)	mg KOH/g	0.41	0.49	0.44	0.45



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		---	3982	1884	11581
Particles >6µm		---	889	187	3453
Particles >14µm		---	104	21	327
ISO 4406:1999 (c)		---	19/17/14	18/15/12	21/19/16
Silicon	ppm	5	5	4	3
Sodium	ppm	3	<1	0	0
Potassium	ppm	8	0	0	<1

Diagnosis

We recommend you service the filters on this component. 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	8	8	6	3
Copper	ppm	2	3	3	2
Lead	ppm	<1	<1	1	1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	2	2	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	1	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	137	150	90	85
Magnesium	ppm	9	8	<1	<1
Zinc	ppm	377	426	425	414
Phosphorus	ppm	310	327	342	312
Barium	ppm	<1	0	0	1
Boron	ppm	2	3	0	0

Depot: VOLV00129
Unique No: 10982005
Signed: Don Baldrige
Report Date: 19 Apr 2024

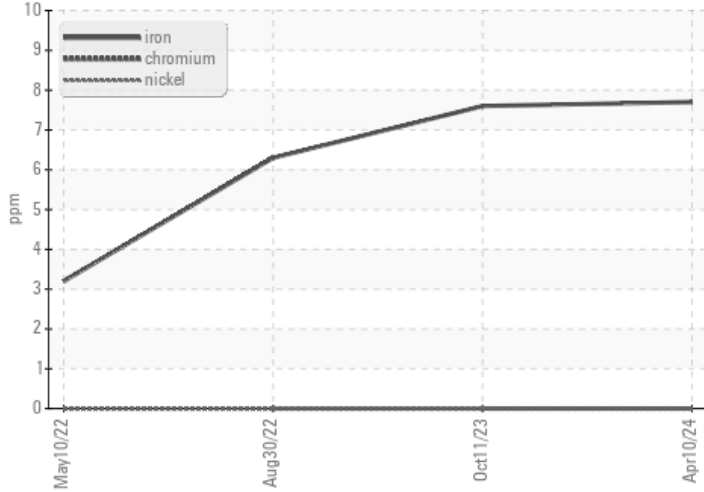


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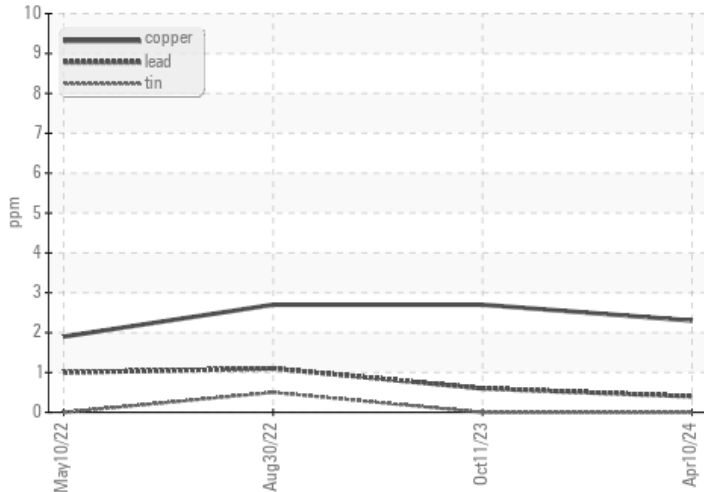


GRAPHS

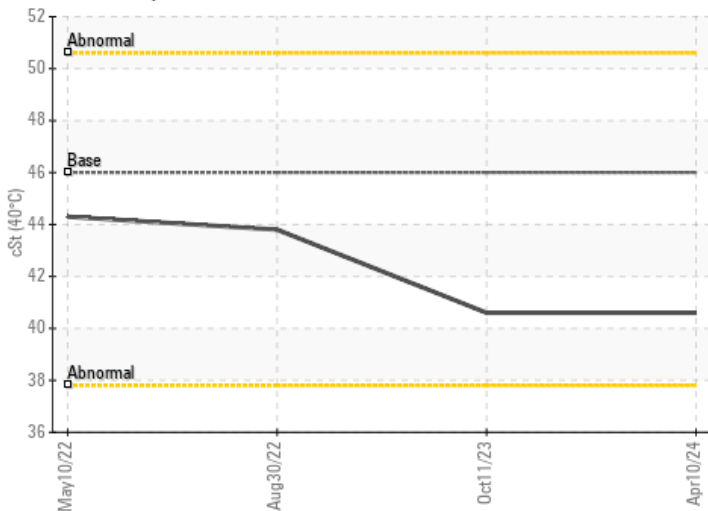
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

