



CONSTRUCTION EQUIPMENT

RESOLUT LA DORE 400440 VOLVO L180H 5461 - HYDRAULIC SYSTEM



Sample No: VCP429856
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 400440



SAMPLE INFORMATION

Sample Number	VCP429856	VCP394333	VCP353151	VCP331913
Sample Date	11 Apr 2024	15 Nov 2023	09 Mar 2023	31 Jan 2023
Machine Hours	24000	22053	16022	16000
Oil Hours	2000	0	0	4000
Oil Changed	Changed	Not Changd	N/A	Changed
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	50.2	44.3	39.9	40.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5780	34069	17205	1966
Particles >6µm		1591	6970	6034	411
Particles >14µm		91	238	604	20
ISO 4406:1999 (c)		20/18/14	22/20/15	21/20/16	18/16/11
Silicon	ppm	5	5	5	7
Sodium	ppm	2	2	2	3
Potassium	ppm	<1	0	<1	<1

Diagnosis

Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il y a une légère quantité de limon (particules de 4 à 14 microns) dans l'huile. L'état de l'huile est acceptable pour la durée de service.

WEAR METALS

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

ADDITIVES

Calcium	ppm	1779	952	1818	2250
Magnesium	ppm	6	4	7	9
Zinc	ppm	758	611	787	841
Phosphorus	ppm	619	483	709	748
Barium	ppm	<1	<1	0	0
Boron	ppm	1	<1	2	3

Depot: VOLVO0230
Unique No: 5762783
Signed: Wes Davis
Report Date: 18 Apr 2024

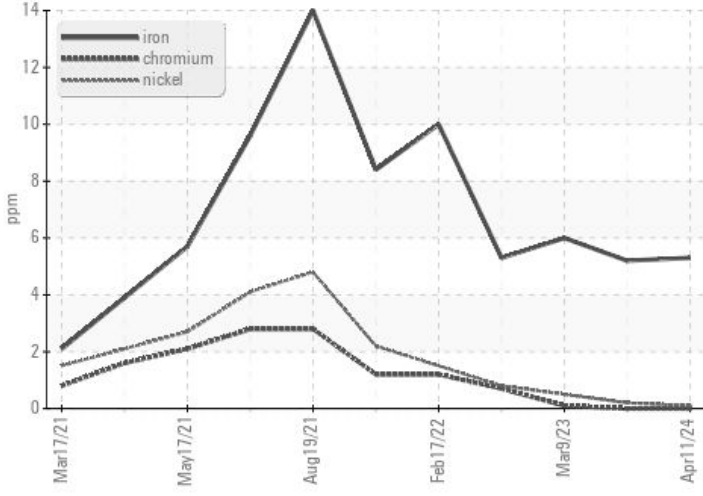


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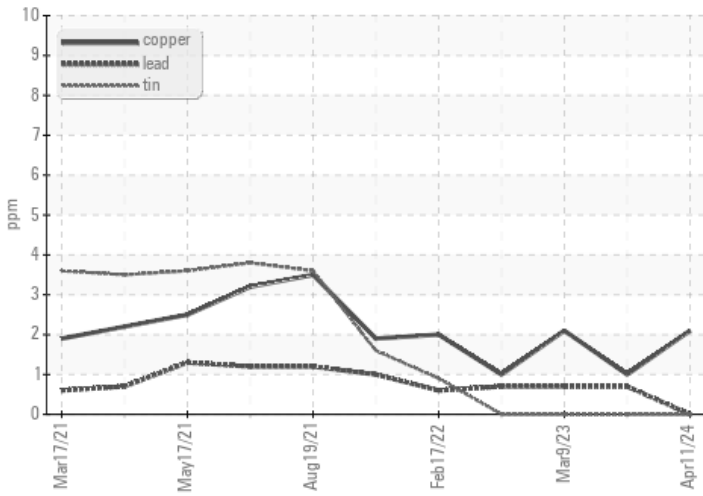


GRAPHS

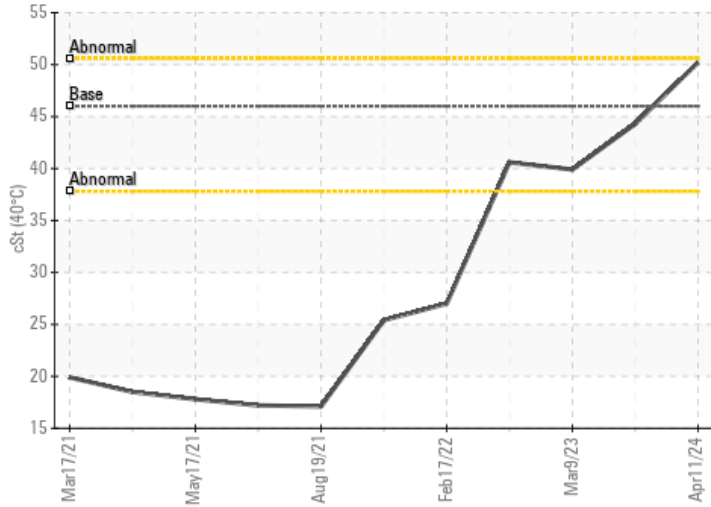
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

