



CONSTRUCTION EQUIPMENT

SPM716242 RENTAL VOLVO A45G 352584 - HYDRAULIC SYSTEM



Sample No: VCP452719
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM716242 RENTAL



SAMPLE INFORMATION

Sample Number	VCP452719	VCP342867	VCP345357	VCP334843
Sample Date	16 May 2024	28 Jan 2022	08 Nov 2021	27 Sep 2021
Machine Hours	7880	1998	1513	1269
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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 5000 INDUSTRIAL HWY
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 US 46406
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 T: (248)356-5200
 F:



OIL CONDITION

Visc @ 40°C	cSt	44.5	44.4	43.9	43.9
Acid Number (AN)	mg KOH/g	0.37	0.365	0.247	0.480



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		2748	7294	2607	71309
Particles >6µm		185	1206	554	7343
Particles >14µm		9	54	20	50
ISO 4406:1999 (c)		19/15/10	20/17/13	19/16/11	23/20/13
Silicon	ppm	6	7	6	6
Sodium	ppm	0	0	<1	<1
Potassium	ppm	<1	<1	0	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	5	10	9	8
Copper	ppm	2	5	5	5
Lead	ppm	<1	1	<1	<1
Tin	ppm	<1	<1	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	2	2	2
Molybdenum	ppm	<1	<1	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	550	56	55	53
Magnesium	ppm	11	1	0	0
Zinc	ppm	270	425	415	436
Phosphorus	ppm	249	340	323	324
Barium	ppm	0	0	0	0
Boron	ppm	16	2	0	0

Depot: VOLVO8885
Unique No: 11057462
Signed: Don Baldrige
Report Date: 01 Jun 2024

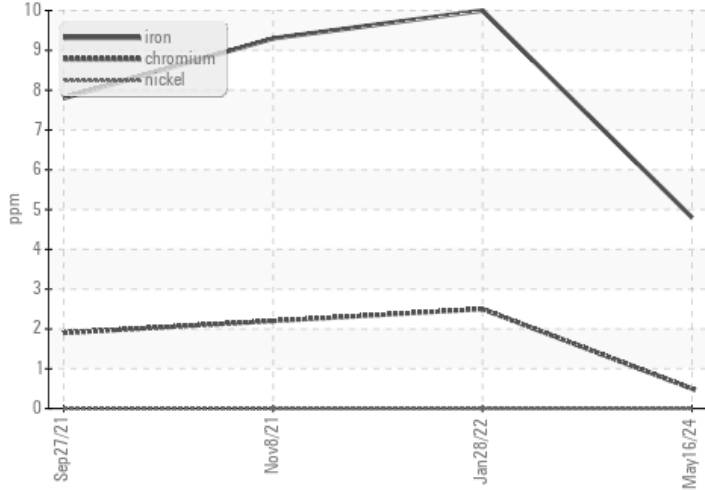


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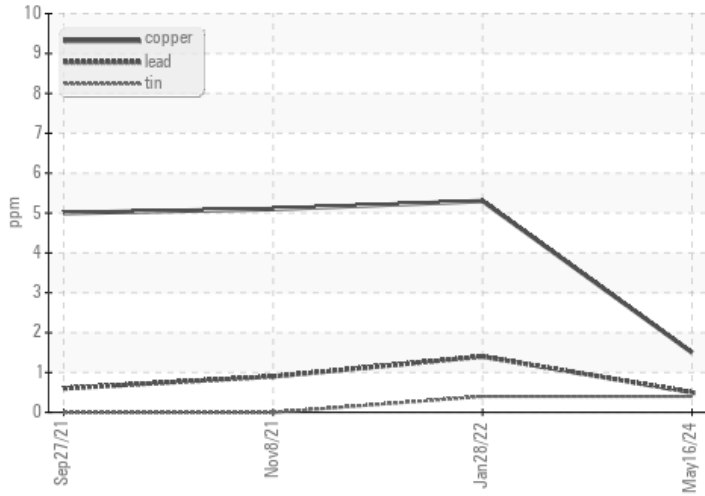


GRAPHS

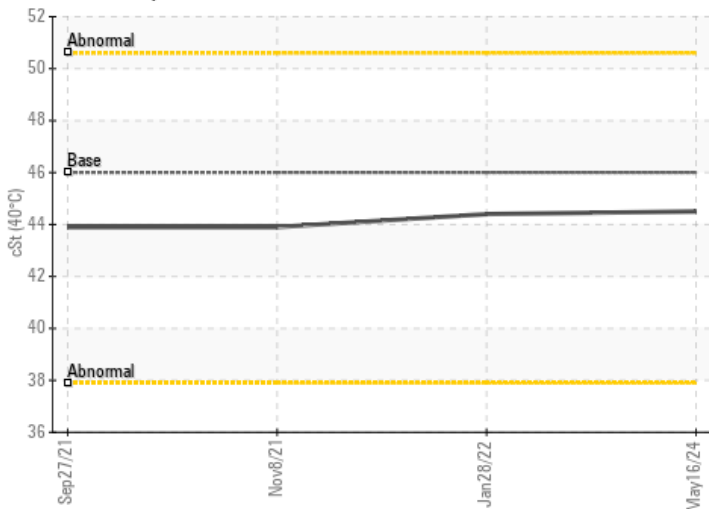
Ferrous Alloys



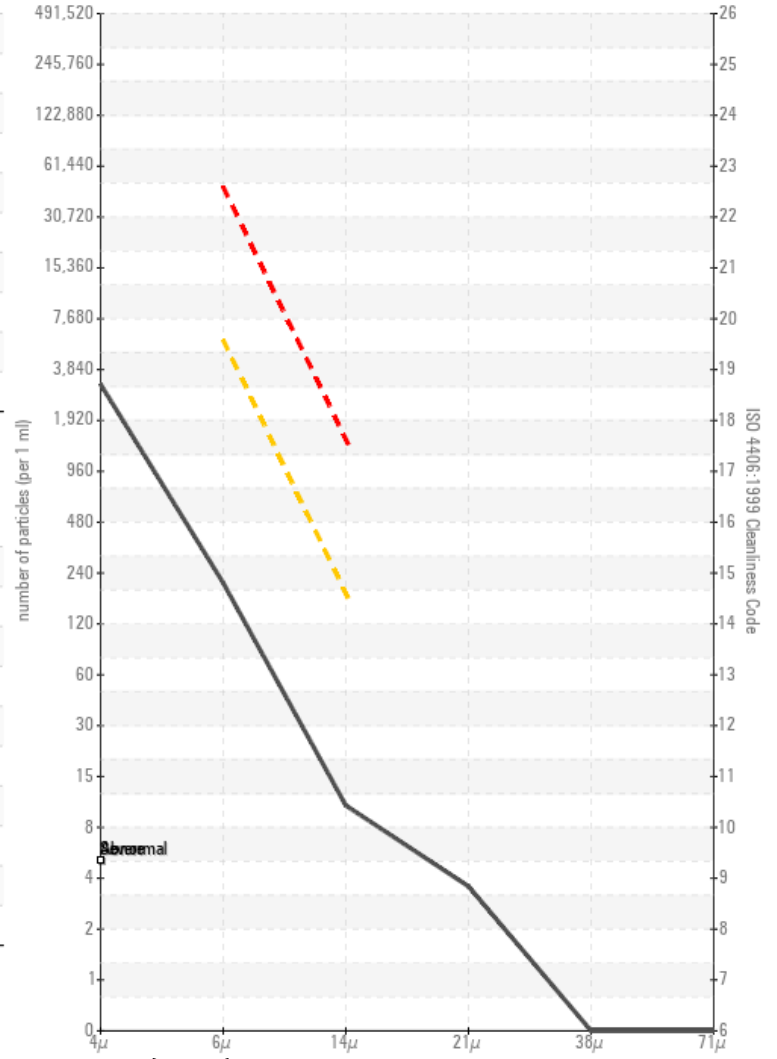
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

