



CONSTRUCTION EQUIPMENT

TUCKER PAVING VOLVO EC380 314346 - HYDRAULIC SYSTEM



Sample No: VCP436216
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: TUCKER PAVING



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SAMPLE INFORMATION

Sample Number	VCP436216	VCP395984	VCP376925	VCP336913
Sample Date	31 Oct 2023	22 Feb 2023	10 Aug 2022	12 Nov 2021
Machine Hours	2009	2268	1687	590
Oil Hours	0	2268	0	1500
Oil Changed	N/A	Changed	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	42.7	43.3	43.2	44.5
Acid Number (AN)	mg KOH/g	0.97	0.45	0.41	0.447



CONTAMINATION

Particles >4µm	14221	5675	4216	6074	
Particles >6µm	7763	85	970	1102	
Particles >14µm	3050	6	91	75	
ISO 4406:1999 (c)	21/20/19	20/14/10	19/17/14	20/17/13	
Silicon	ppm	3	3	3	2
Sodium	ppm	<1	0	0	<1
Potassium	ppm	<1	1	0	0



WEAR METALS

Iron	ppm	1	2	2	<1
Copper	ppm	16	20	22	15
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	61	67	76	95
Magnesium	ppm	1	<1	0	0
Zinc	ppm	442	424	483	506
Phosphorus	ppm	362	367	406	402
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 10723871
Signed: Don Baldrige
Report Date: 02 Nov 2023

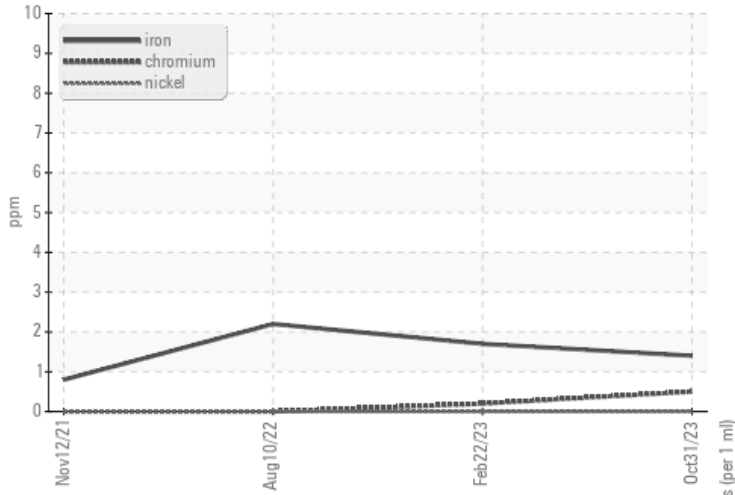


CONSTRUCTION EQUIPMENT

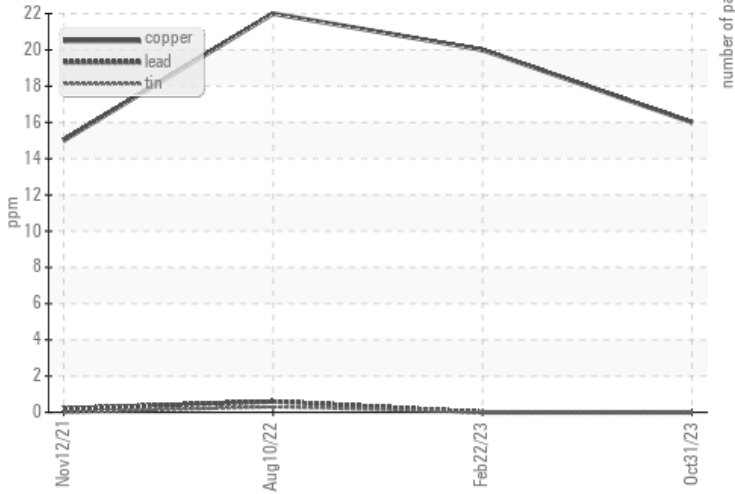


VOLVO GRAPHS

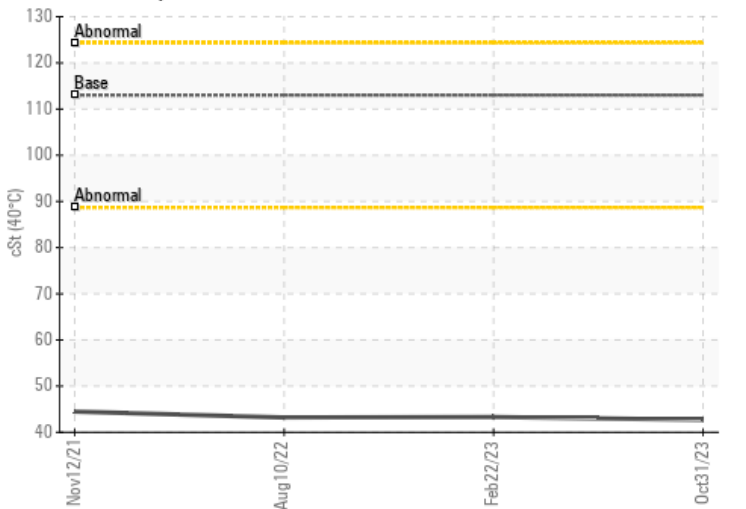
Ferrous Alloys



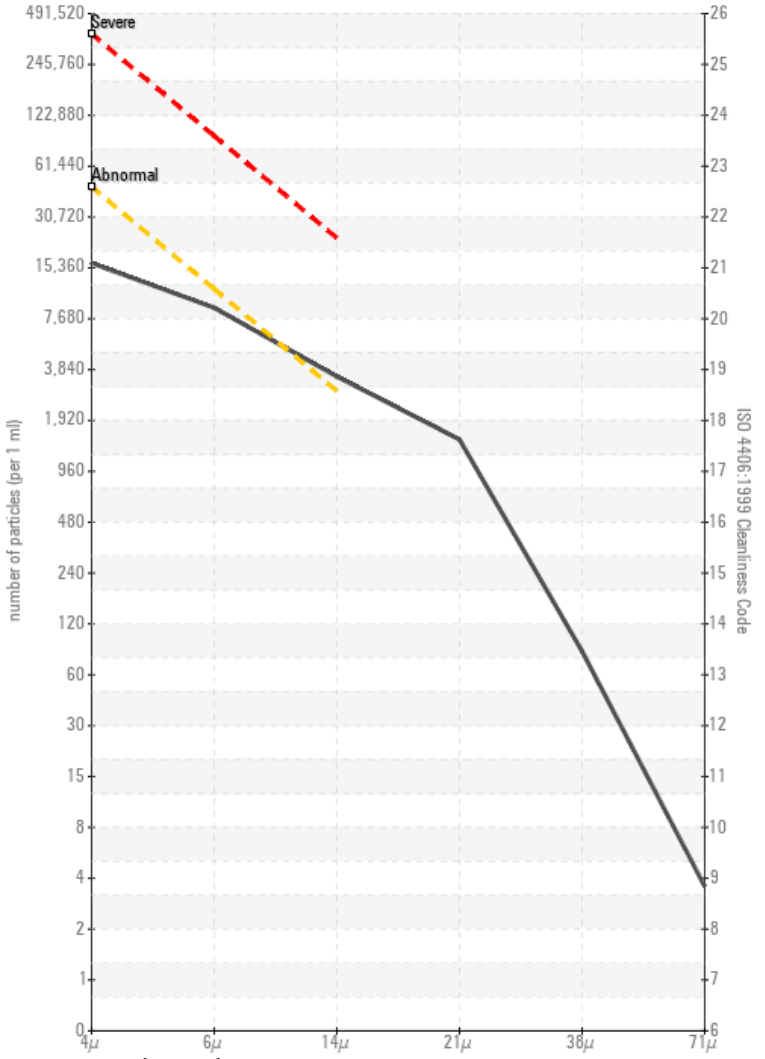
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

