



CONSTRUCTION EQUIPMENT

579943 TUCKER PAVING VOLVO A25G 742081 - HYDRAULIC SYSTEM



Sample No: VCP424505
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 579943 TUCKER PAVING



SAMPLE INFORMATION

Sample Number	VCP424505	VCP390663	VCP360646	VCP321511
Sample Date	14 Jul 2023	24 Oct 2022	21 Apr 2022	09 Jul 2021
Machine Hours	7964	7007	6063	5033
Oil Hours	4000	1500	2000	1000
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 JFARDELLA@ALTAEQUIPFL.COM
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	44.4	43.3	43.4	45.1
Acid Number (AN)	mg KOH/g	0.46	1.15	1.01	0.444



CONTAMINATION

Particles >4µm		217	32640	37911	4767
Particles >6µm		39	13148	11701	1256
Particles >14µm		1	1517	1245	119
ISO 4406:1999 (c)		15/12/7	22/21/18	22/21/17	19/17/14
Silicon	ppm	8	10	10	5
Sodium	ppm	<1	1	1	2
Potassium	ppm	1	2	2	4

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	16	8	5	7
Copper	ppm	10	184	112	6
Lead	ppm	4	<1	<1	4
Tin	ppm	0	<1	0	0
Aluminum	ppm	5	3	1	2
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	1	0	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	0	<1
Silver	ppm	<1	2	<1	0
Manganese	ppm	0	1	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	326	3728	3911	269
Magnesium	ppm	10	11	12	5
Zinc	ppm	577	1543	1617	471
Phosphorus	ppm	454	1225	1316	393
Barium	ppm	<1	0	0	0
Boron	ppm	3	111	142	7

Depot: VOLVO0093
Unique No: 10566742
Signed: Don Baldrige
Report Date: 26 Jul 2023

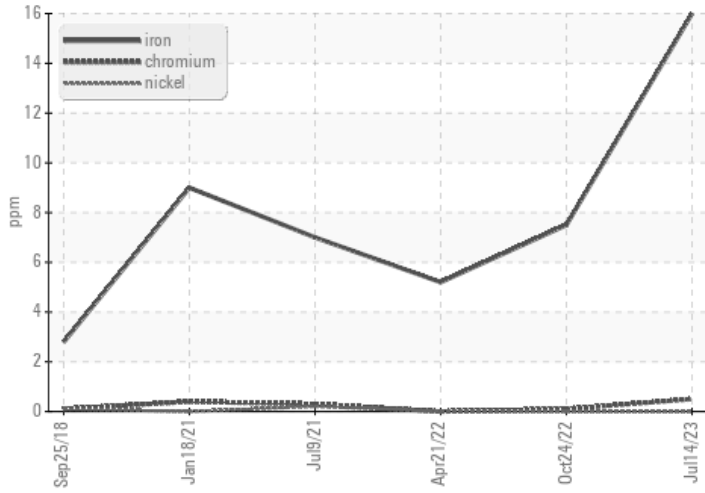


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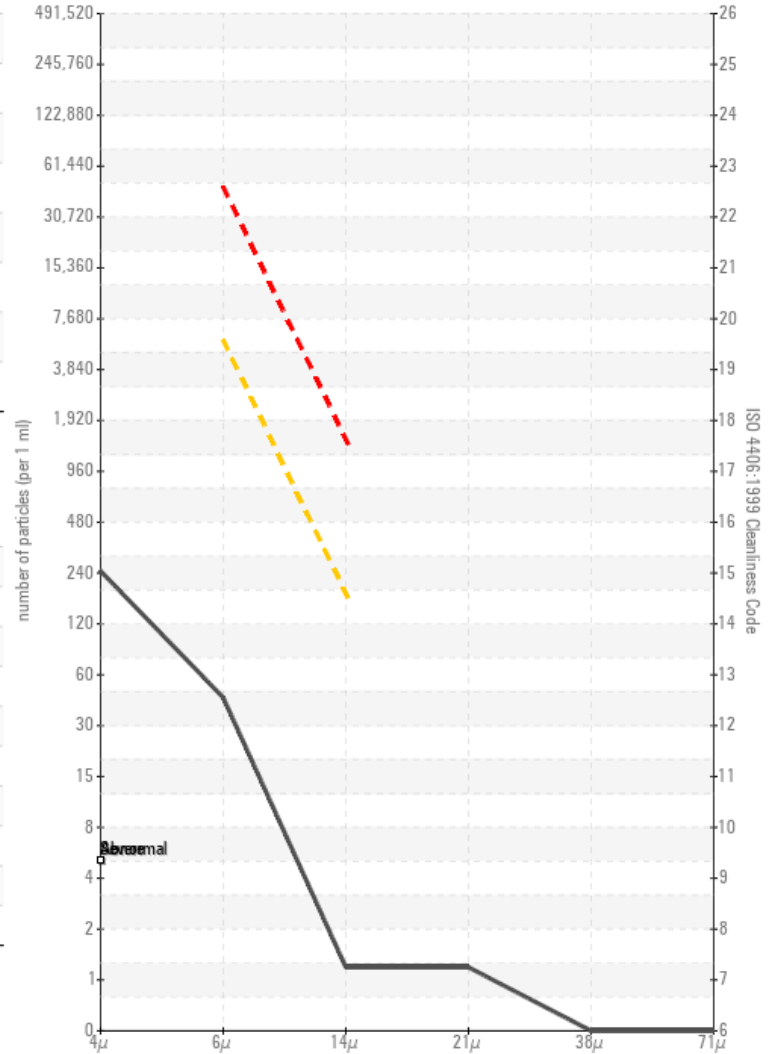


VOLVO GRAPHS

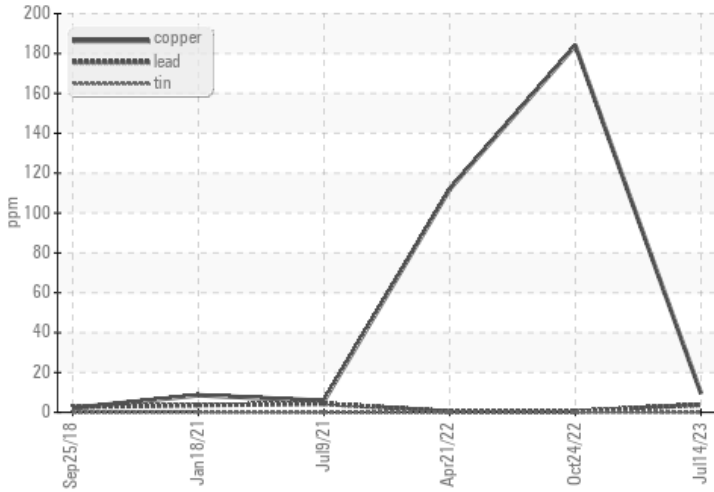
Ferrous Alloys



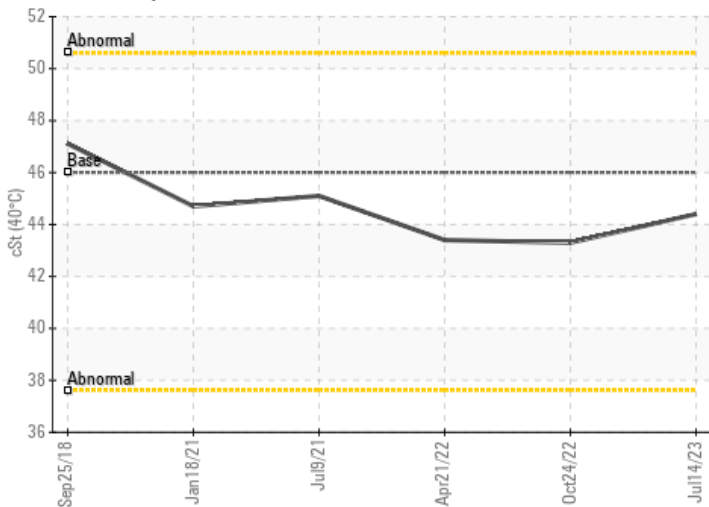
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

