



CONSTRUCTION EQUIPMENT

1454 VOLVO A35G 342092 - DROP BOX



Sample No: VCP428916
Oil Type: MOBIL 75W90
Job No: 1454



SAMPLE INFORMATION

Sample Number	VCP428916	VCP371208	VCP357173	VCP285164
Sample Date	13 Dec 2023	23 Jan 2023	10 Jun 2022	17 Jul 2020
Machine Hours	7329	7058	6606	3750
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	SEVERE	NORMAL	ATTENTION

VCES- VOLVO CONSTRUCTION EQUIPMENT
 8594 FRUITRIDGE ROAD
 SACRAMENTO, CA
 US 95826
 Contact: RAY KRANZUSCH
 ray.kranzusch@vcesvolvo.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	129	121	120	47.6
		■	■	■	▲



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 8	■ 28	■ 13	■ 49
Sodium	ppm	■ 2	■ 3	■ <1	■ 5
Potassium	ppm	■ <1	■ 2	■ 0	■ 2



WEAR METALS

Iron	ppm	■ 429	■ 1327	■ 482	■ 317
Copper	ppm	■ 3	■ 8	■ 6	■ 6
Lead	ppm	■ 0	■ <1	■ 0	■ <1
Tin	ppm	■ <1	■ 0	■ 0	■ <1
Aluminum	ppm	■ 16	■ 22	■ 10	■ 10
Chromium	ppm	■ 7	■ 13	■ 5	■ 3
Molybdenum	ppm	■ 5	■ 11	■ 7	■ 8
Nickel	ppm	■ 3	■ 10	■ 4	■ 2
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	■ 5	■ 12	■ 5	■ 5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 56	21	■ 7	■ 13
Magnesium	ppm	4	■ 2	■ 0	■ 2
Zinc	ppm	■ 37	■ 58	■ 50	■ 207
Phosphorus	ppm	■ 993	■ 1068	■ 1210	■ 1914
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 146	■ 83	■ 117	■ 136

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO4485
Unique No: 10806344
Signed: Angela Borella
Report Date: 28 Dec 2023

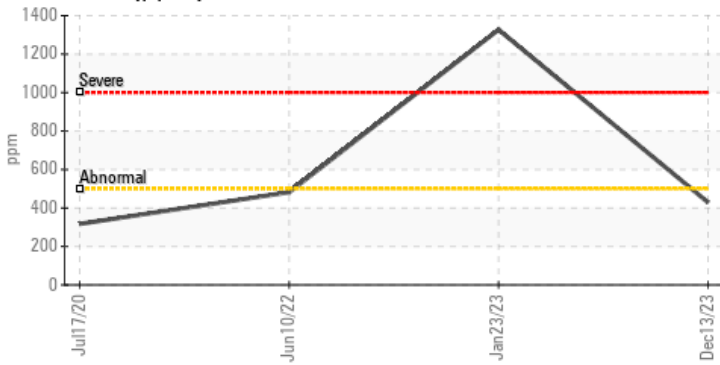


CONSTRUCTION EQUIPMENT

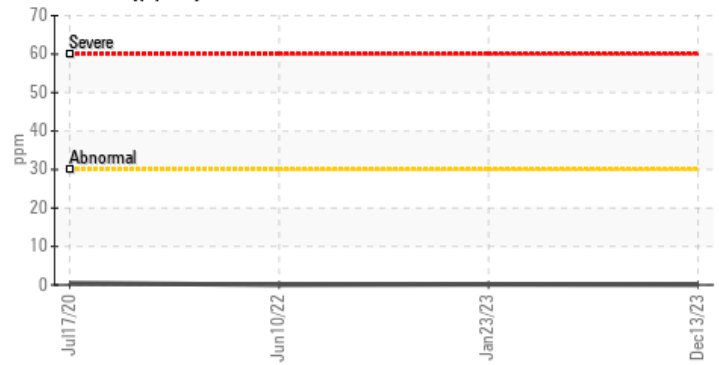


GRAPHS

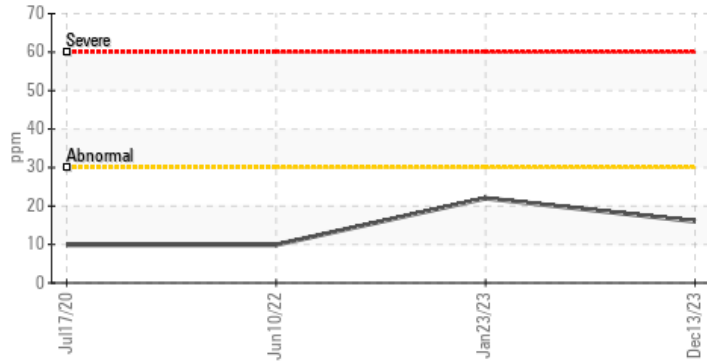
Iron (ppm)



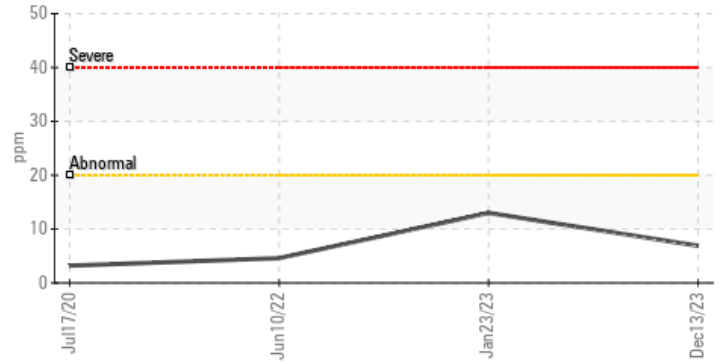
Lead (ppm)



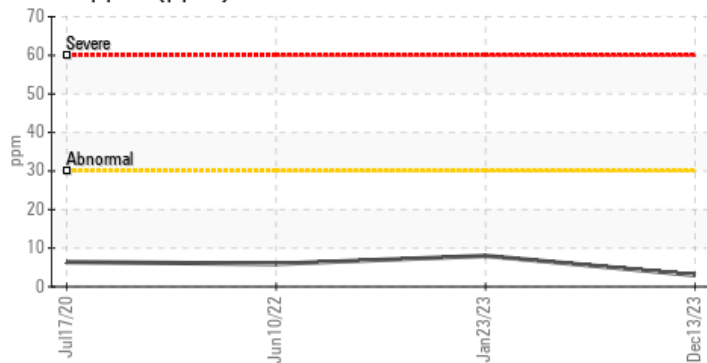
Aluminum (ppm)



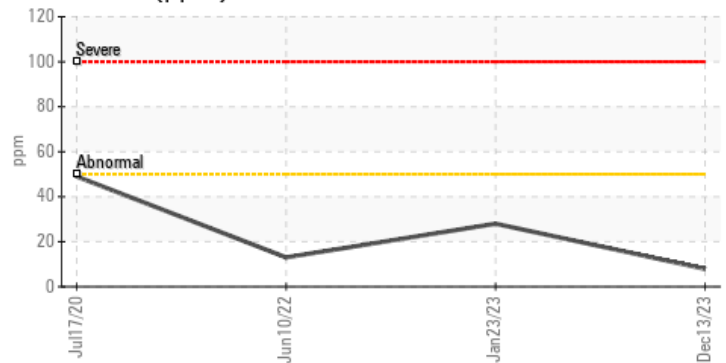
Chromium (ppm)



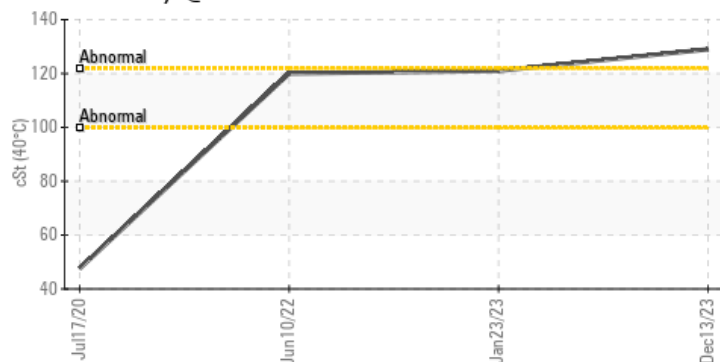
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

