



CONSTRUCTION EQUIPMENT

S631 IAA RANCHO CORD VOLVO L90H 623903 - REAR AXLE



Sample No: VCP425897
Oil Type: VOLVO WB 102
Job No: S631 IAA RANCHO CORD



SAMPLE INFORMATION

Sample Number	VCP425897	VCP266923	VCP247114	VCP219149
Sample Date	06 Jul 2023	10 Apr 2020	26 Jul 2019	08 May 2018
Machine Hours	10036	5960	4590	2031
Oil Hours	0	0	0	500
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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	42.0	40.5	43.0	40.87
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CONTAMINATION

Silicon	ppm	25	20	16	14
Sodium	ppm	10	6	0	0
Potassium	ppm	2	0	1	0



WEAR METALS

Iron	ppm	77	78	106	200
Copper	ppm	6	16	27	42
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	0	3	2
Aluminum	ppm	5	3	2	1
Chromium	ppm	<1	1	2	6
Molybdenum	ppm	<1	0	<1	3
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	3	9
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	3911	4284	3785	4007
Magnesium	ppm	17	13	11	16
Zinc	ppm	1665	1714	1492	1508
Phosphorus	ppm	1353	1312	1241	1263
Barium	ppm	0	0	0	0
Boron	ppm	124	127	132	107

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: 10550526
Signed: Wes Davis
Report Date: 11 Jul 2023

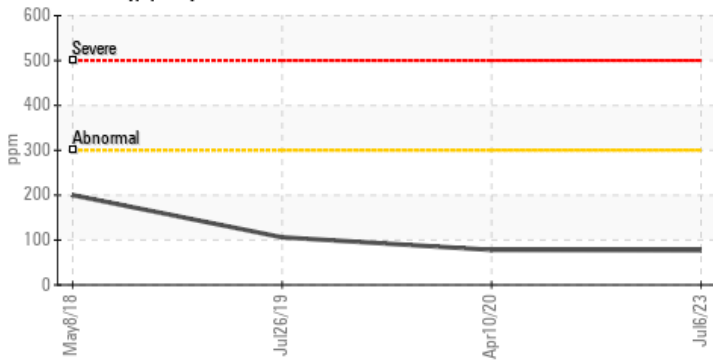


CONSTRUCTION EQUIPMENT

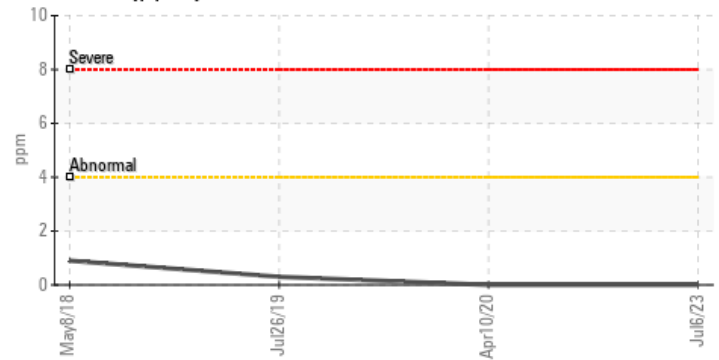


GRAPHS

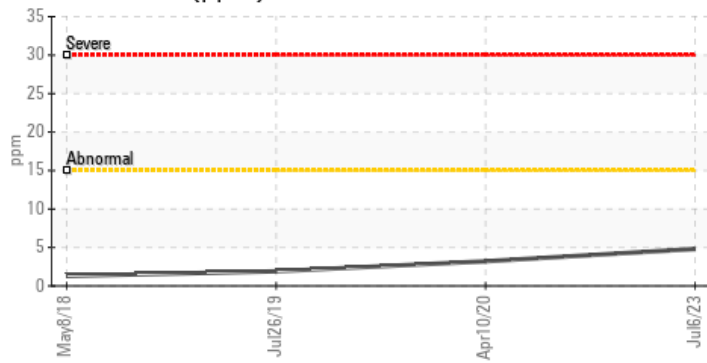
Iron (ppm)



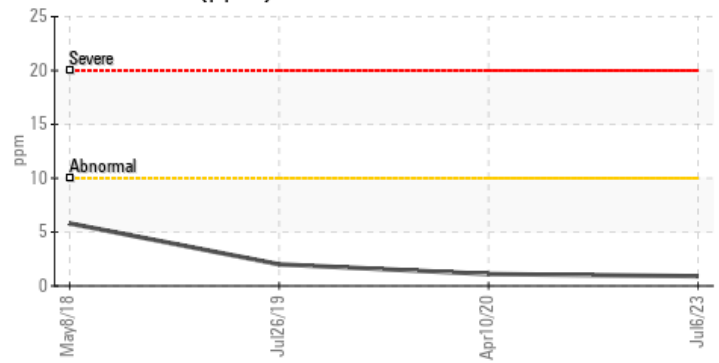
Lead (ppm)



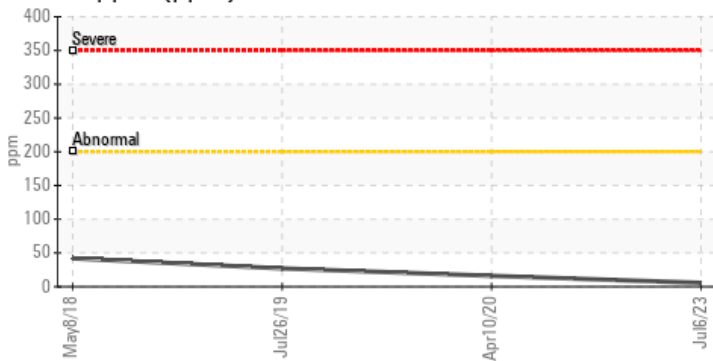
Aluminum (ppm)



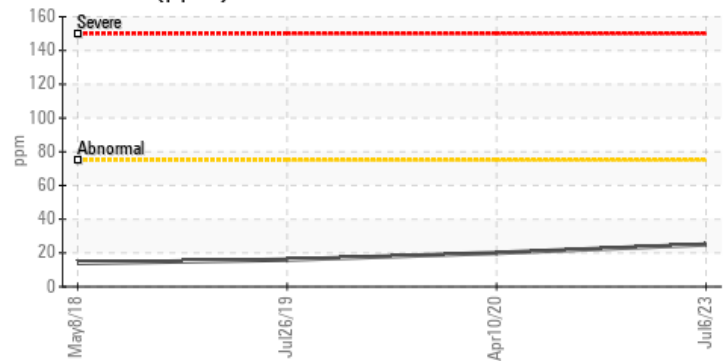
Chromium (ppm)



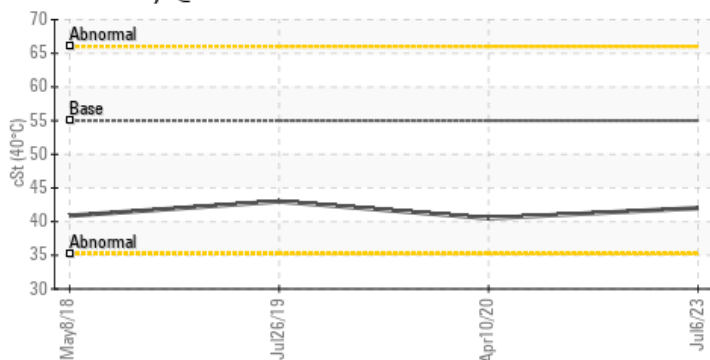
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

