



CONSTRUCTION EQUIPMENT

634065 VOLVO A45G 352411 - BRAKE COOLING SYSTEM



Sample No: VCP430740
Oil Type: VOLVO WB 102
Job No: 634065



SAMPLE INFORMATION

Sample Number	VCP430740	VCP427065	VCP377160	VCP317692
Sample Date	22 Nov 2023	19 Jun 2023	30 Apr 2022	17 Jul 2021
Machine Hours	6275	5591	3478	2213
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ORANGE COUNTY SOLID WASTE
 5901 YOUNG PINE ROAD
 ORLANDO, FL
 US 32829
 Contact: MICHAEL BEEBE
 michael.beebe@ocfl.net
 T: (407)836-6652
 F: (407)836-6650



OIL CONDITION

Visc @ 40°C	cSt	40.9	40.9	39.7	39.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	18	18	16
Sodium	ppm	5	8	10	10
Potassium	ppm	<1	<1	<1	1

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.



WEAR METALS

Iron	ppm	24	26	19	17
Copper	ppm	198	204	202	178
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	1	<1	1	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	5	7	7	6
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	1	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3359	3095	3599	3586
Magnesium	ppm	18	10	9	8
Zinc	ppm	1475	1396	1434	1428
Phosphorus	ppm	1293	1231	1367	1279
Barium	ppm	0	0	0	0
Boron	ppm	103	92	111	150

Depot: ORAORL
Unique No: 10765311
Signed: Don Baldrige
Report Date: 03 Dec 2023

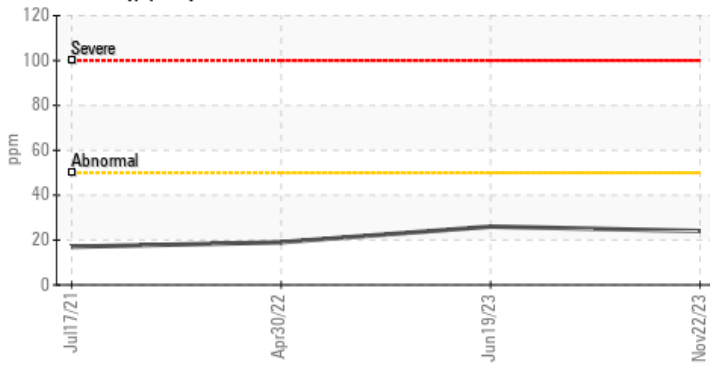


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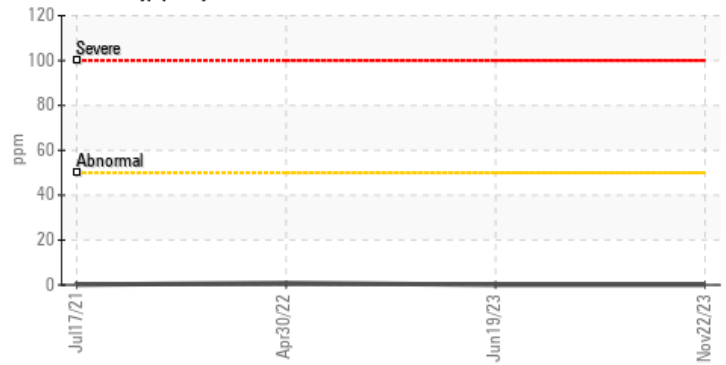


GRAPHS

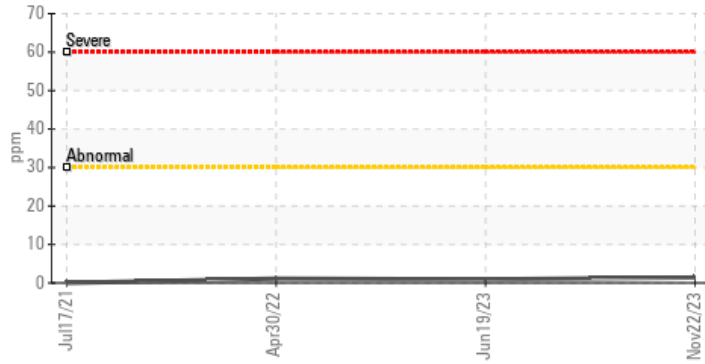
Iron (ppm)



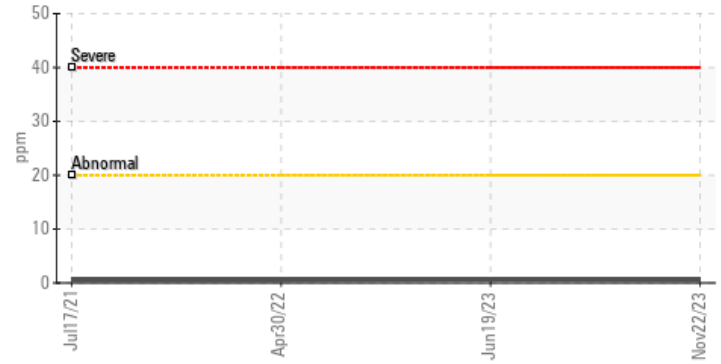
Lead (ppm)



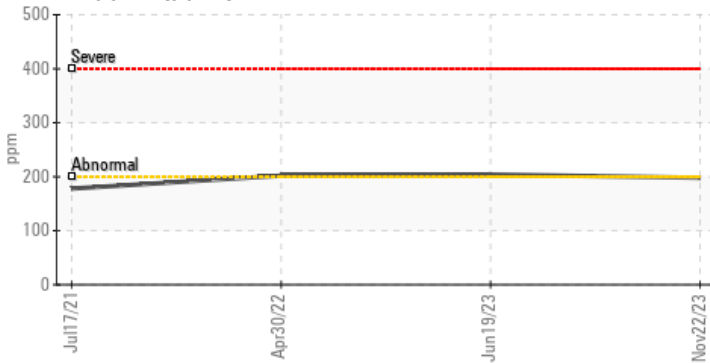
Aluminum (ppm)



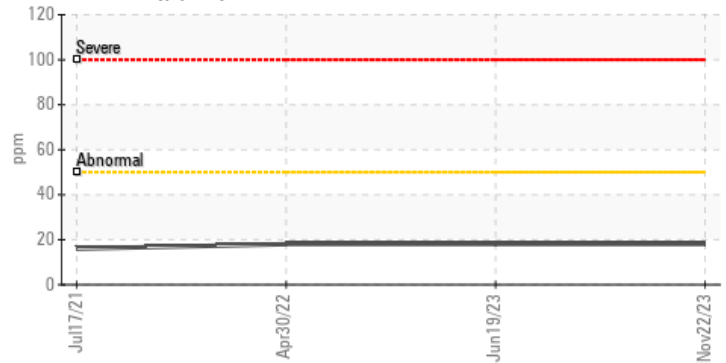
Chromium (ppm)



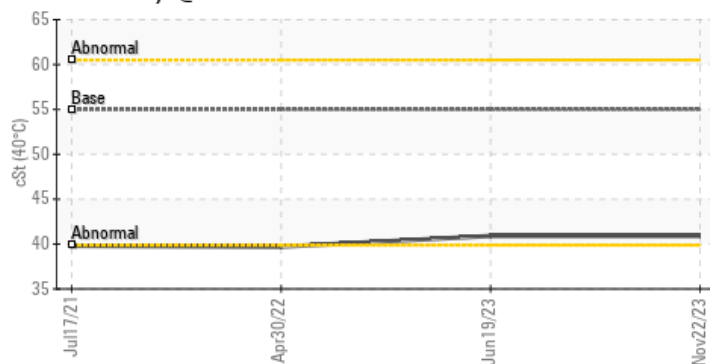
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

