



CONSTRUCTION EQUIPMENT

SWA288432 VOLVO A45G 352411 - BRAKE COOLING SYSTEM



Sample No: VCP427065
Oil Type: VOLVO WB 102
Job No: SWA288432



SAMPLE INFORMATION

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

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



OIL CONDITION

Visc @ 40°C	cSt	40.9	39.7	39.8	---
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CONTAMINATION

Silicon	ppm	18	18	16	---
Sodium	ppm	8	10	10	---
Potassium	ppm	<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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	3095	3599	3586	---
Magnesium	ppm	10	9	8	---
Zinc	ppm	1396	1434	1428	---
Phosphorus	ppm	1231	1367	1279	---
Barium	ppm	0	0	0	---
Boron	ppm	92	111	150	---

Depot: ORAORL
Unique No: 10536416
Signed: Don Baldrige
Report Date: 02 Jul 2023

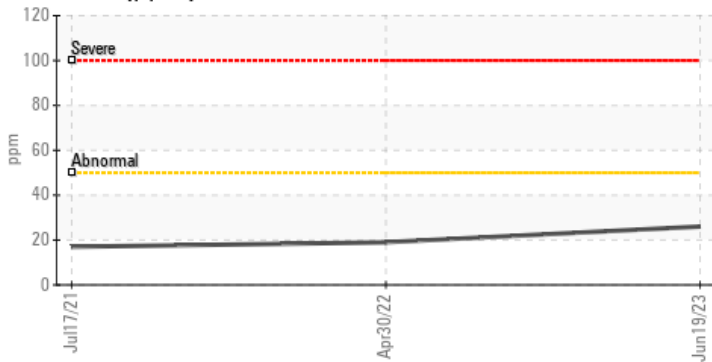


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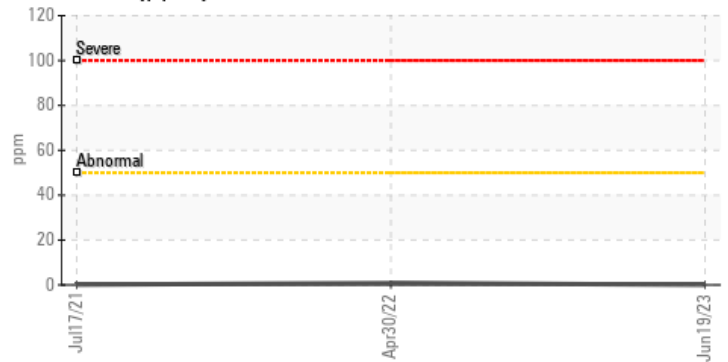


GRAPHS

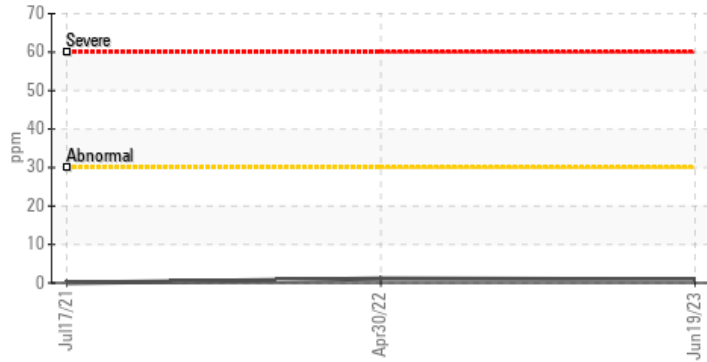
Iron (ppm)



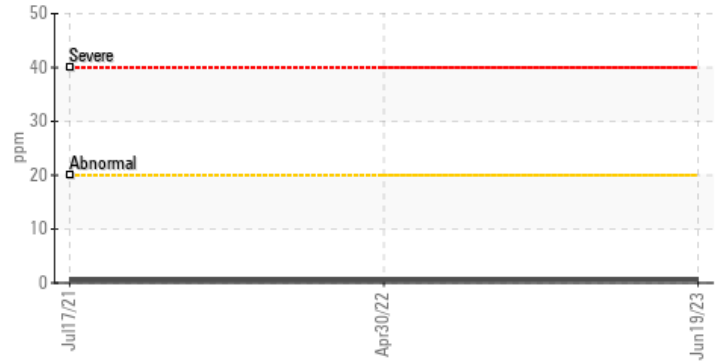
Lead (ppm)



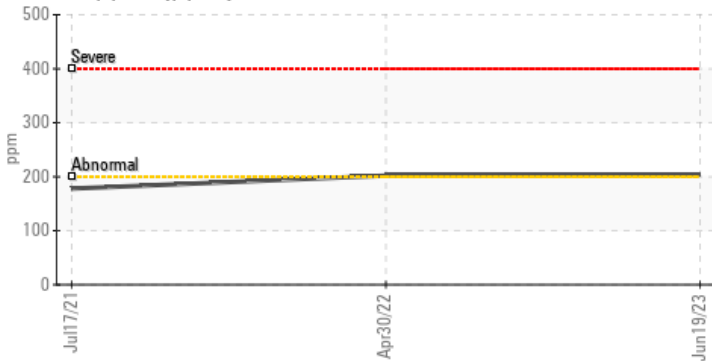
Aluminum (ppm)



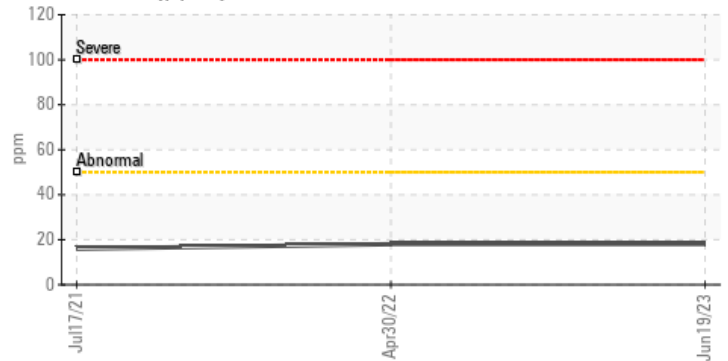
Chromium (ppm)



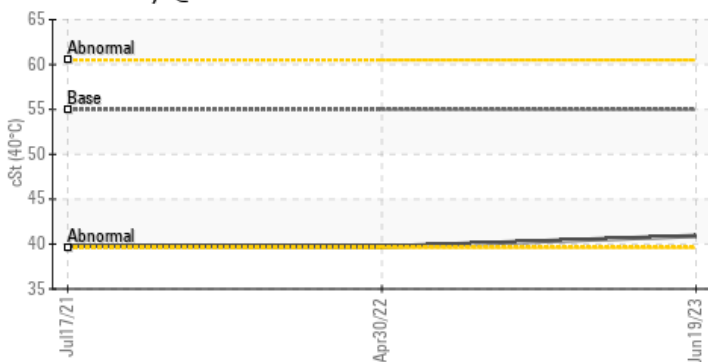
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

