



CONSTRUCTION EQUIPMENT

SWA350886-10 VOLVO L90H 623485 - REAR AXLE



Sample No: VCP431777
Oil Type: VOLVO WB 102
Job No: SWA350886-10



SAMPLE INFORMATION

Sample Number	VCP431777	VCP376023	VCP299169	VCP276027
Sample Date	13 Sep 2023	29 Aug 2022	14 Jul 2021	30 Oct 2020
Machine Hours	9867	8077	7138	6128
Oil Hours	0	0	1000	2000
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ULSTER COUNTY RESOURCE RECOVERY AGENCY
 999 FLATBUSH AVE
 KINGSTON, NY
 US 12401
 Contact: CHARLES WHITTAKER
 cwhf@ucrra.net
 T: (845)399-2686
 F:



OIL CONDITION

Visc @ 40°C	cSt	41.4	40.3	41.0	42.1
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CONTAMINATION

Silicon	ppm	10	12	12	9
Sodium	ppm	6	8	8	5
Potassium	ppm	<1	0	2	3

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	20	34	18	12
Copper	ppm	<1	2	0	2
Lead	ppm	0	0	0	1
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	1	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	4154	3952	3948	3391
Magnesium	ppm	5	18	17	9
Zinc	ppm	1652	1539	1525	1477
Phosphorus	ppm	1285	1287	1260	1306
Barium	ppm	0	0	0	0
Boron	ppm	137	160	149	88

Depot: ULSKIN
Unique No: 10655624
Signed: Wes Davis
Report Date: 20 Sep 2023

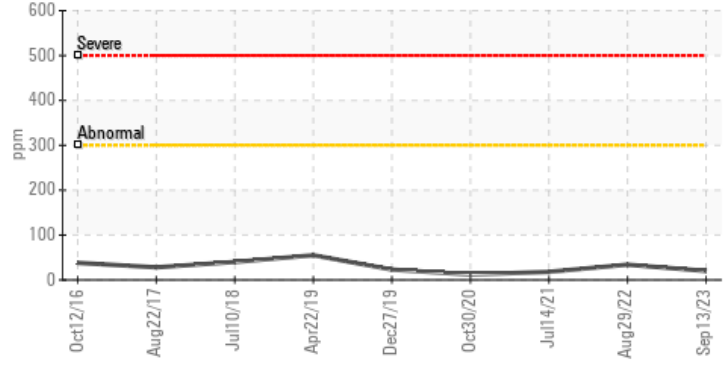


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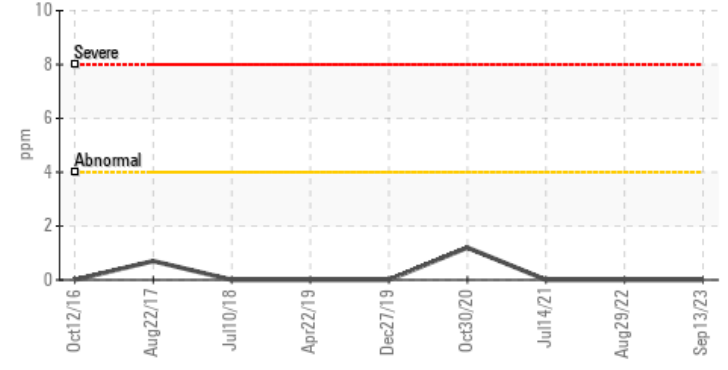


GRAPHS

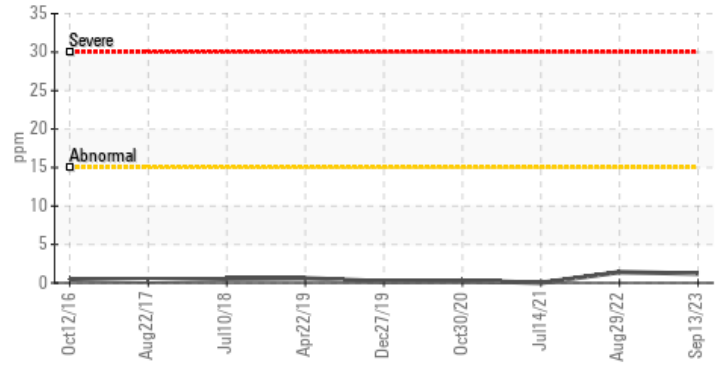
Iron (ppm)



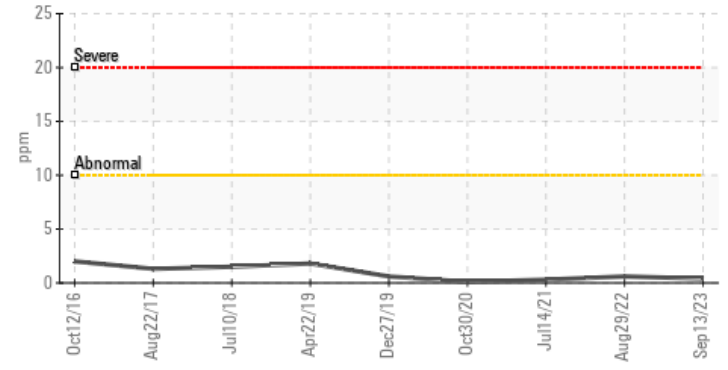
Lead (ppm)



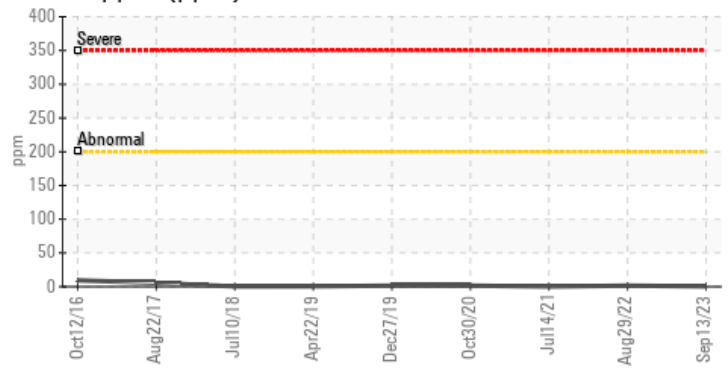
Aluminum (ppm)



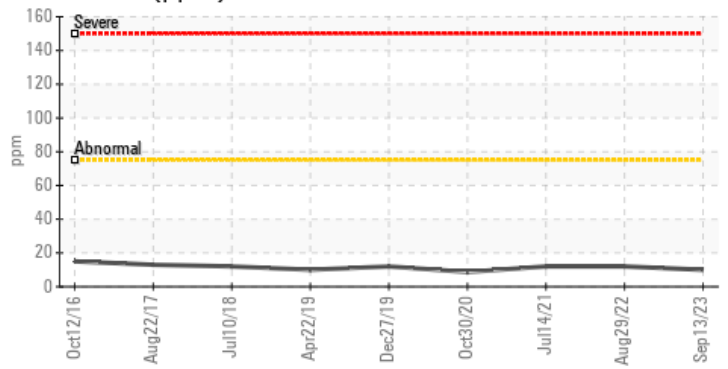
Chromium (ppm)



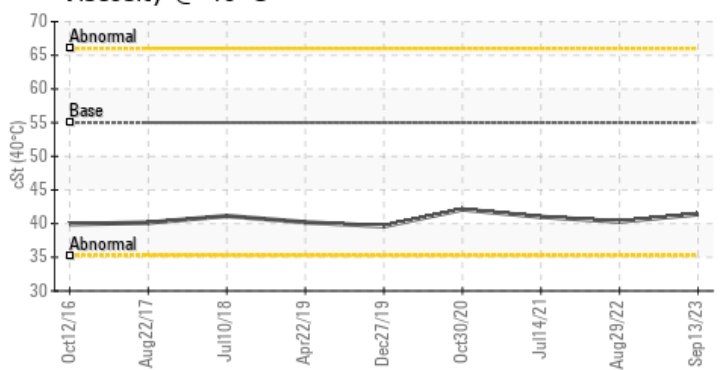
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

