



CONSTRUCTION EQUIPMENT

SWO-065663 VOLVO A45G 353090 - BRAKE



Sample No: VCP432852
Oil Type: NOT GIVEN
Job No: SWO-065663



SAMPLE INFORMATION

Sample Number	VCP432852	VCP412727	VCP395403	VCP384136
Sample Date	19 Sep 2023	09 Jun 2023	23 Feb 2023	17 Oct 2022
Machine Hours	2023	1481	1006	502
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	40.6	40.7	41.8	40.7
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CONTAMINATION

Silicon	ppm	18	25	18	16
Sodium	ppm	9	11	12	9
Potassium	ppm	2	0	2	0

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	23	31	31	12
Copper	ppm	136	88	53	16
Lead	ppm	0	0	<1	10
Tin	ppm	0	0	0	<1
Aluminum	ppm	3	<1	2	0
Chromium	ppm	<1	1	1	2
Molybdenum	ppm	<1	<1	0	<1
Nickel	ppm	6	4	4	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	1	1	1
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	3287	3666	3857	3750
Magnesium	ppm	6	10	9	9
Zinc	ppm	1474	1625	1650	1494
Phosphorus	ppm	1256	1340	1339	1185
Barium	ppm	0	0	0	0
Boron	ppm	110	119	129	113

Depot: SAIBIR
Unique No: 10661344
Signed: Don Baldrige
Report Date: 26 Sep 2023

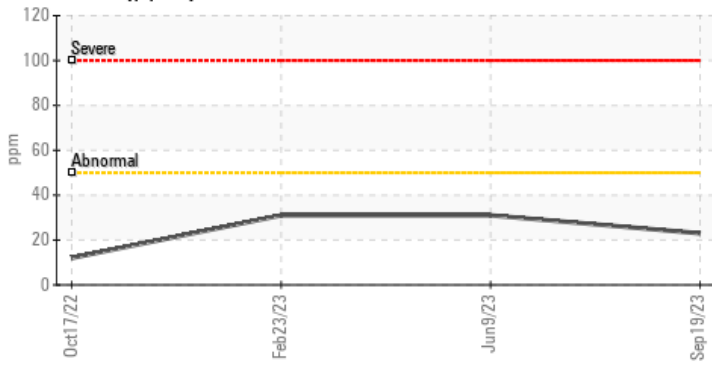


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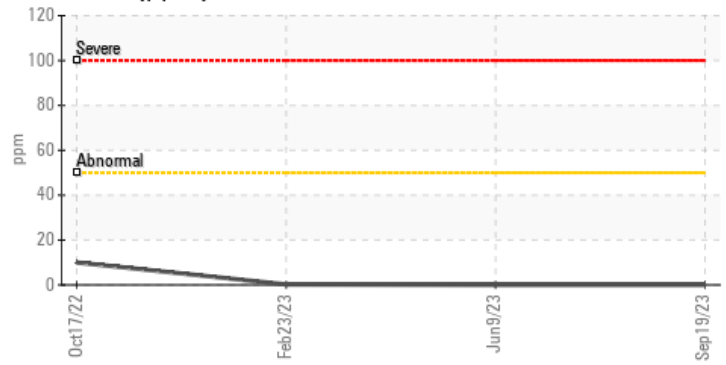


GRAPHS

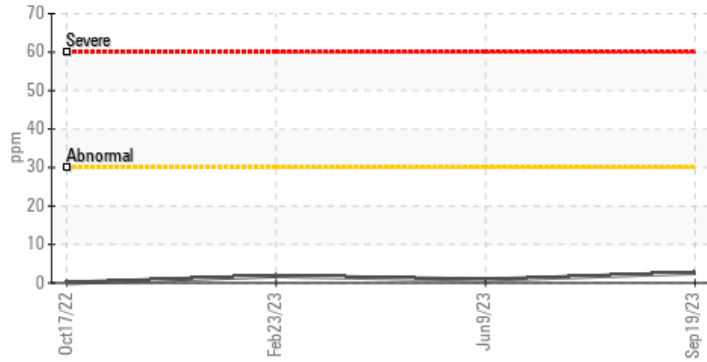
Iron (ppm)



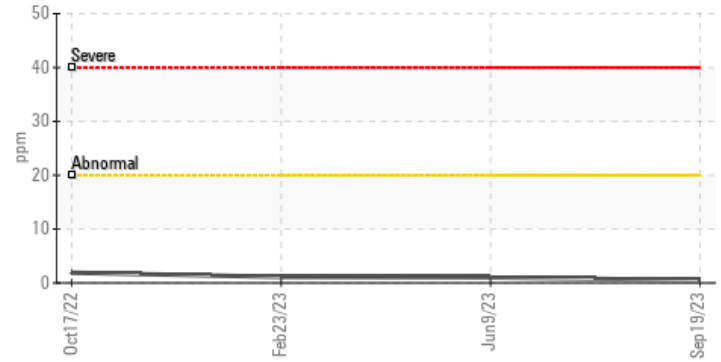
Lead (ppm)



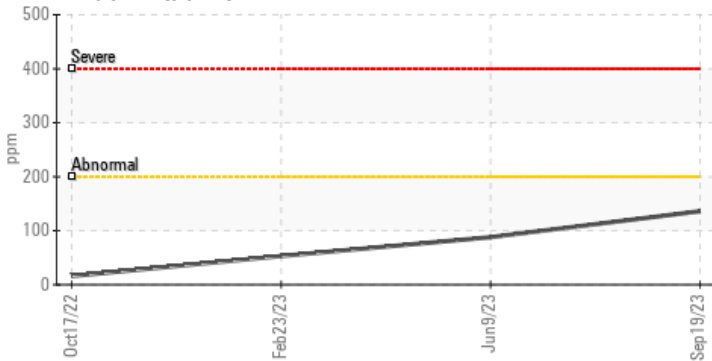
Aluminum (ppm)



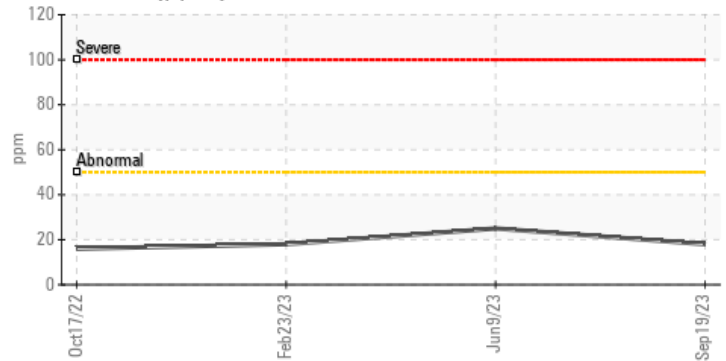
Chromium (ppm)



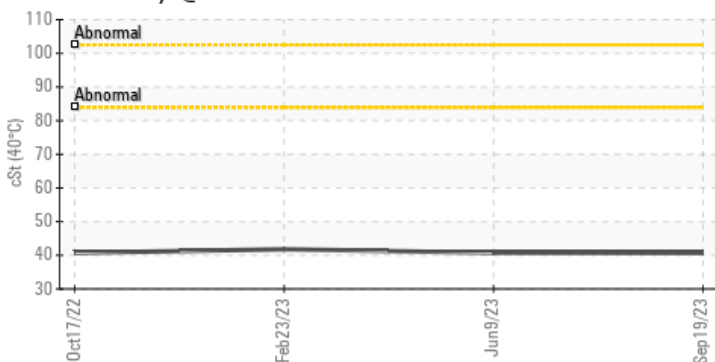
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

