



CONSTRUCTION EQUIPMENT

590811 ASH GROVE VOLVO A40G 353375 - WET DISC BRAKE



Sample No: VCP447375
Oil Type: VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102
Job No: 590811 ASH GROVE



SAMPLE INFORMATION

Sample Number	VCP447375	VCP449539	VCP432678	VCP417671
Sample Date	19 Jun 2024	18 Apr 2024	07 Sep 2023	14 Jul 2023
Machine Hours	4960	4458	2328	1524
Oil Hours	0	0	0	0
Oil Changed	Not Changd	N/A	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.3	41.8	41.7	41.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	18	19	18
Sodium	ppm	2	3	5	5
Potassium	ppm	2	0	2	2

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	23	19	13
Copper	ppm	175	181	89	21
Lead	ppm	1	0	2	1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	3	<1	0	1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	2	<1	1	2
Nickel	ppm	5	3	4	2
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	2	1	1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3713	3835	3968	4183
Magnesium	ppm	16	11	15	10
Zinc	ppm	1539	1547	1615	1682
Phosphorus	ppm	1389	1299	1322	1403
Barium	ppm	<1	0	0	0
Boron	ppm	123	128	137	155

Depot: VOLVO0096
Unique No: 11096782
Signed: Sean Felton
Report Date: 26 Jun 2024

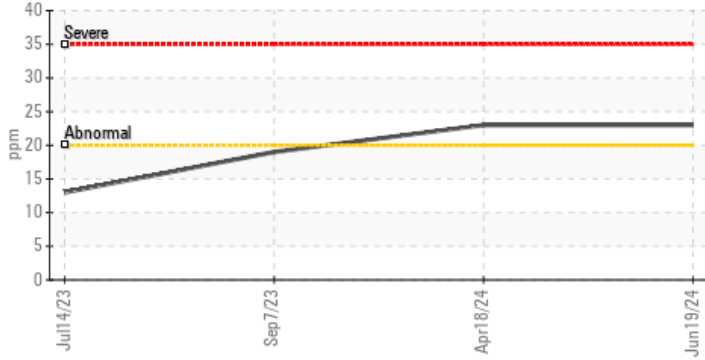


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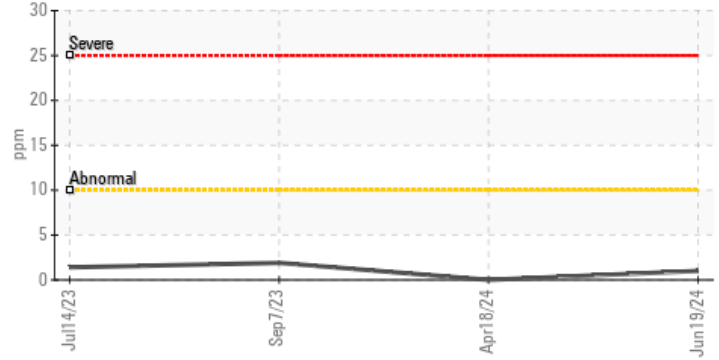


GRAPHS

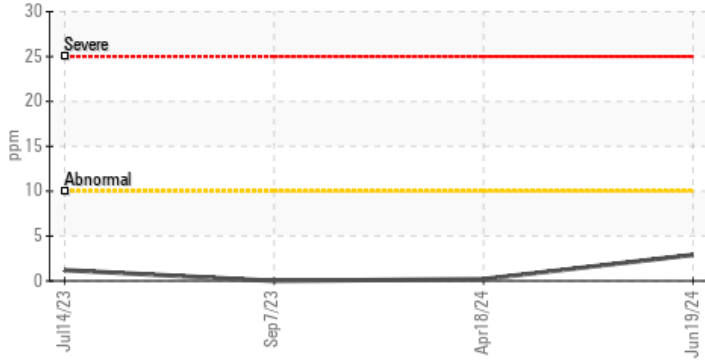
Iron (ppm)



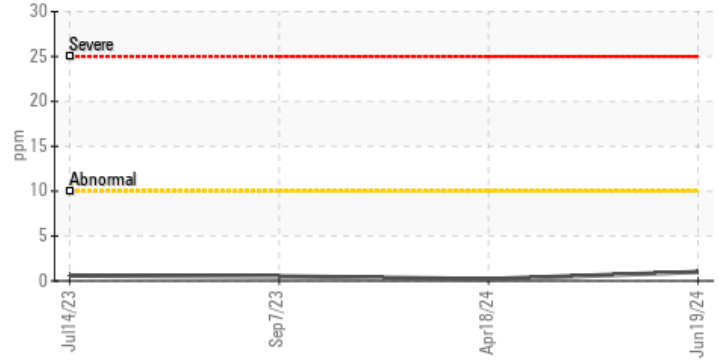
Lead (ppm)



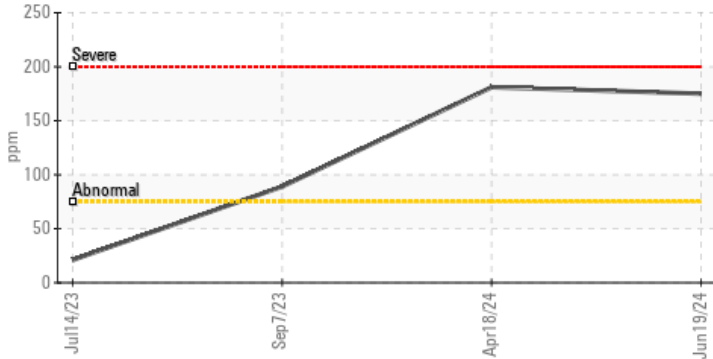
Aluminum (ppm)



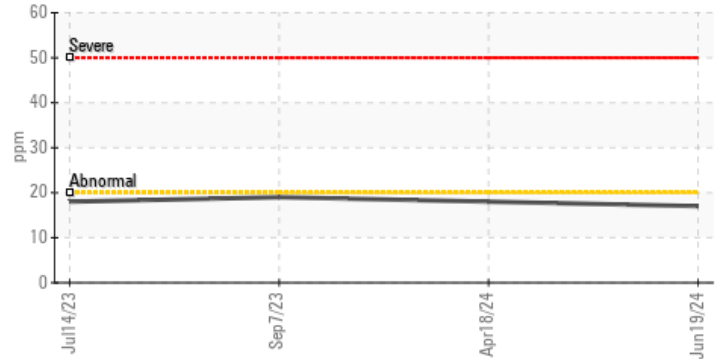
Chromium (ppm)



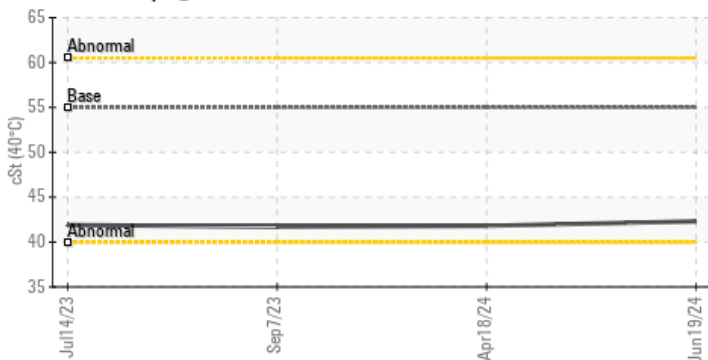
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

