



CONSTRUCTION EQUIPMENT

125204 VOLVO A40G 342574 - WET DISC BRAKE



Sample No: VCP370129
Oil Type: VOLVO WB 102
Job No: 125204



SAMPLE INFORMATION

Sample Number	VCP370129	VCP327684	VCP305226	VCP262516
Sample Date	06 Dec 2022	24 Sep 2021	25 Feb 2021	23 Mar 2020
Machine Hours	5696	4288	3528	1950
Oil Hours	0	2288	500	1950
Oil Changed	N/A	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT

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 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 40°C	cSt	42.4	41.0	43.5	39.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	11	12	20
Sodium	ppm	5	7	3	7
Potassium	ppm	0	0	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	27	16	19	16
Copper	ppm	112	168	124	146
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	2	2	0
Nickel	ppm	<1	3	3	5
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	<1	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4211	3514	3671	3800
Magnesium	ppm	26	28	33	10
Zinc	ppm	1552	1409	1438	1463
Phosphorus	ppm	1264	1202	1248	1269
Barium	ppm	0	0	0	0
Boron	ppm	146	134	126	107

Depot: VOLV00142
Unique No: 10255044
Signed: Jonathan Hester
Report Date: 14 Dec 2022

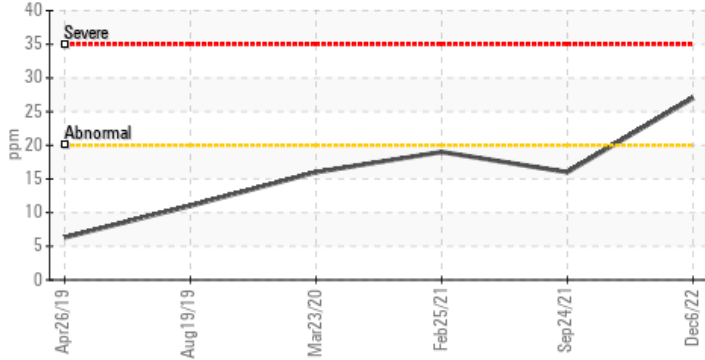


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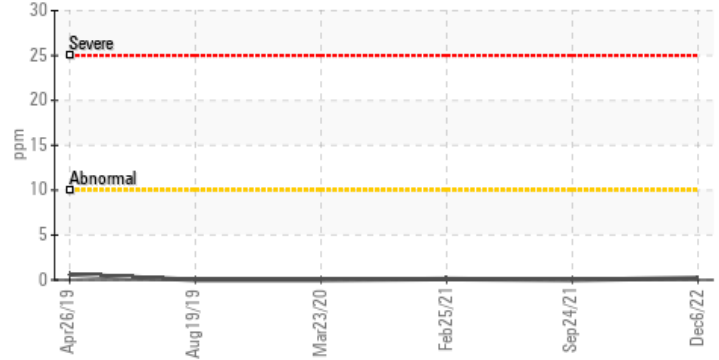


VOLVO GRAPHS

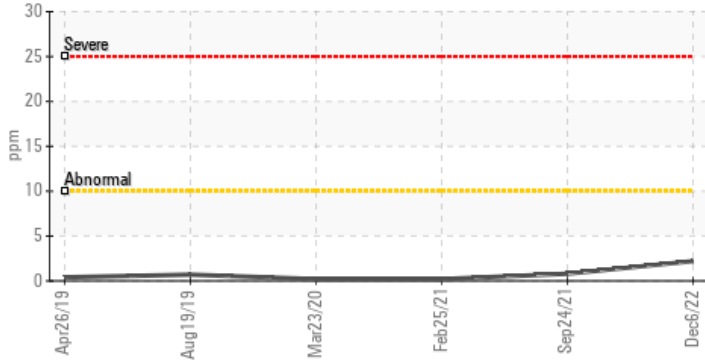
Iron (ppm)



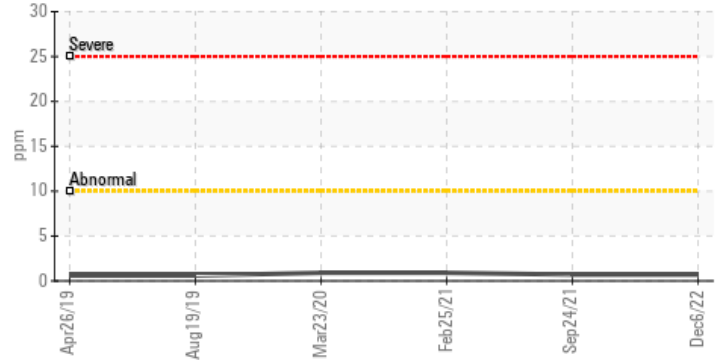
Lead (ppm)



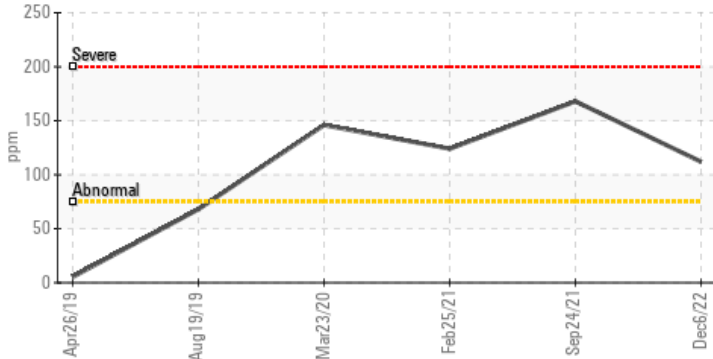
Aluminum (ppm)



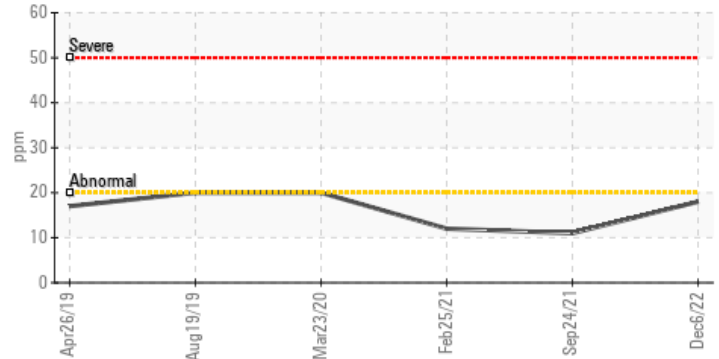
Chromium (ppm)



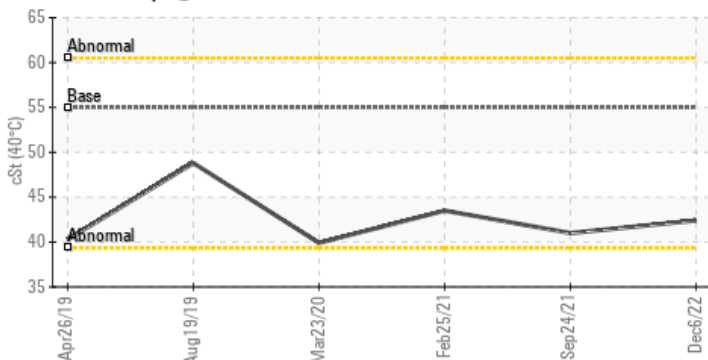
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

