



CONSTRUCTION EQUIPMENT

A08851 VOLVO A30G 740076 - WET DISC BRAKE



Sample No: VCP363733
Oil Type: MOBIL WB 102
Job No: A08851



SAMPLE INFORMATION

Sample Number	VCP363733	VCP287944	VCP228848	VCP194166
Sample Date	18 Sep 2022	29 Oct 2020	28 Jun 2018	01 Aug 2017
Machine Hours	5485	4280	2760	2170
Oil Hours	1000	4000	2760	2170
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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 1737 STOUT DRIVE
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 US 18974
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 F: x:



OIL CONDITION

Visc @ 40°C	cSt	43.9	49.7	50.00	49.85
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CONTAMINATION

Silicon	ppm	21	31	38	39
Sodium	ppm	4	3	4	4
Potassium	ppm	0	0	3	0

Diagnosis

Resample at the next service interval to monitor. The copper level is abnormal. All other 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	19	24	26	23
Copper	ppm	341	339	271	306
Lead	ppm	4	0	2	<1
Tin	ppm	0	0	0	2
Aluminum	ppm	2	2	2	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	<1	2	1	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	1	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3353	3395	3174	3252
Magnesium	ppm	14	9	8	5
Zinc	ppm	1356	1305	1360	1310
Phosphorus	ppm	1128	1140	1117	1101
Barium	ppm	0	0	0	0
Boron	ppm	86	73	78	86

Depot: KCCIVY
Unique No: 10141972
Signed: Jonathan Hester
Report Date: 23 Sep 2022

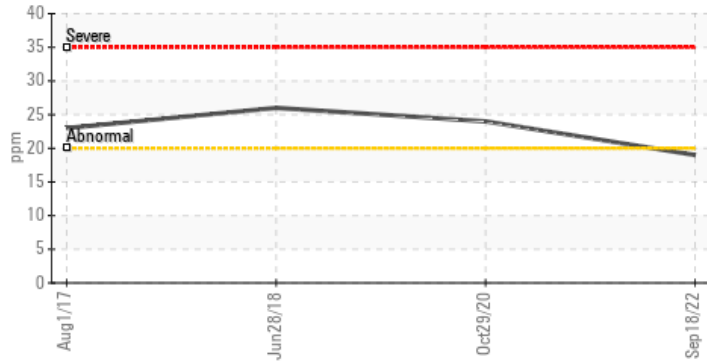


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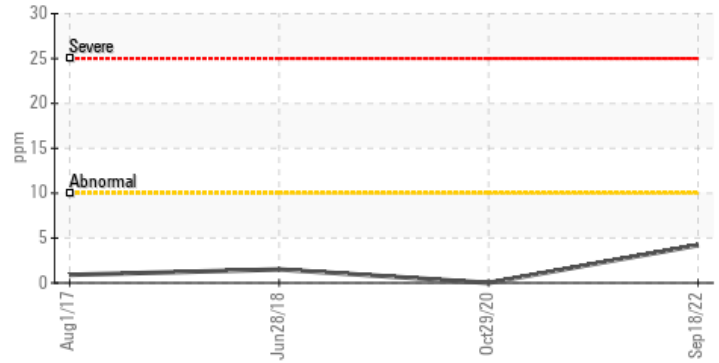


GRAPHS

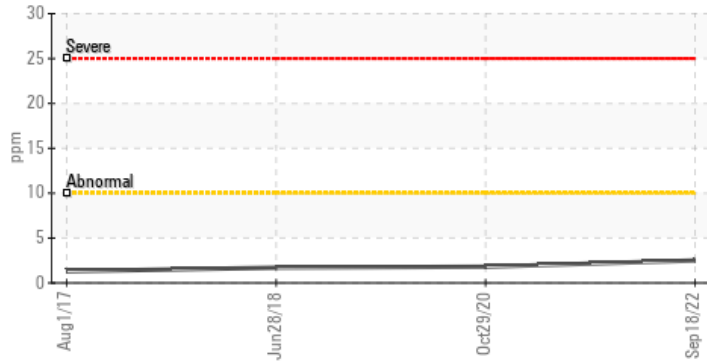
Iron (ppm)



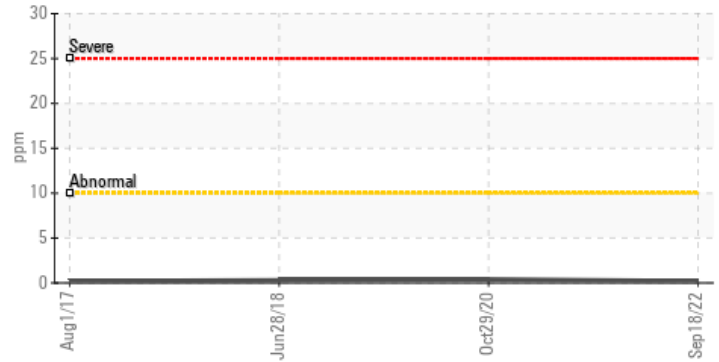
Lead (ppm)



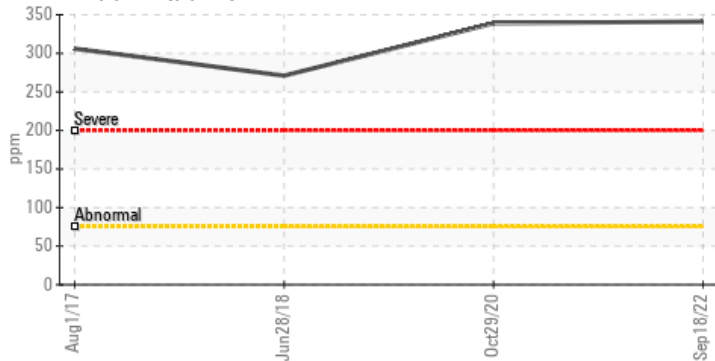
Aluminum (ppm)



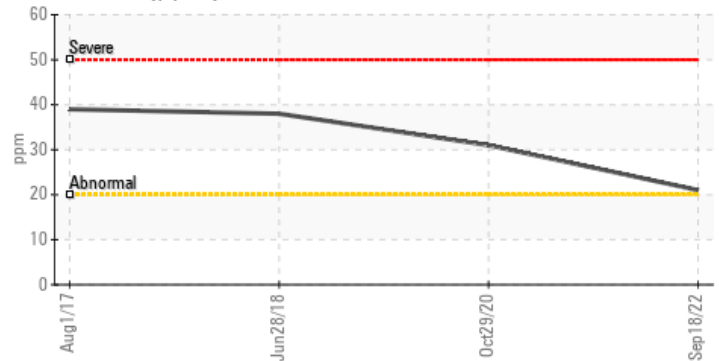
Chromium (ppm)



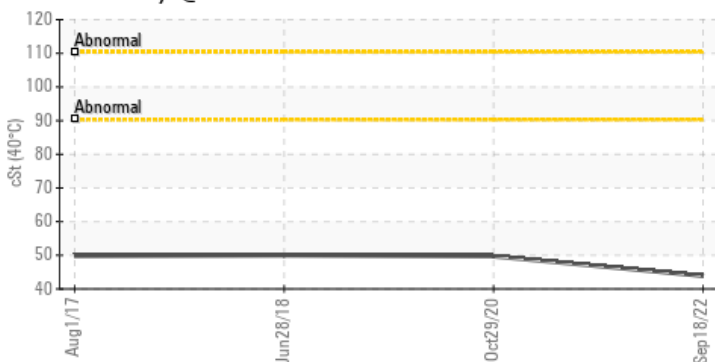
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

