



CONSTRUCTION EQUIPMENT

A10935 VOLVO A40G 342450 - WET DISC BRAKE



Sample No: VCP424774
Oil Type: MOBIL WB 102
Job No: A10935



SAMPLE INFORMATION

Sample Number	VCP424774	VCP307580	VCP294042	---
Sample Date	24 Aug 2023	06 Aug 2021	08 Jan 2021	---
Machine Hours	5915	4110	3925	---
Oil Hours	2000	0	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.5	43.0	45.2	---
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CONTAMINATION

Silicon	ppm	9	23	16	---
Sodium	ppm	7	8	6	---
Potassium	ppm	1	0	<1	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. 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	9	72	38	---
Copper	ppm	123	227	226	---
Lead	ppm	2	<1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	1	<1	---
Chromium	ppm	0	3	1	---
Molybdenum	ppm	<1	2	2	---
Nickel	ppm	1	6	5	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	3	2	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	3462	3706	3355	---
Magnesium	ppm	8	21	11	---
Zinc	ppm	1540	1436	1431	---
Phosphorus	ppm	1270	1188	1210	---
Barium	ppm	0	0	0	---
Boron	ppm	126	115	86	---

Depot: KCCIVY
Unique No: 10648993
Signed: Sean Felton
Report Date: 19 Sep 2023

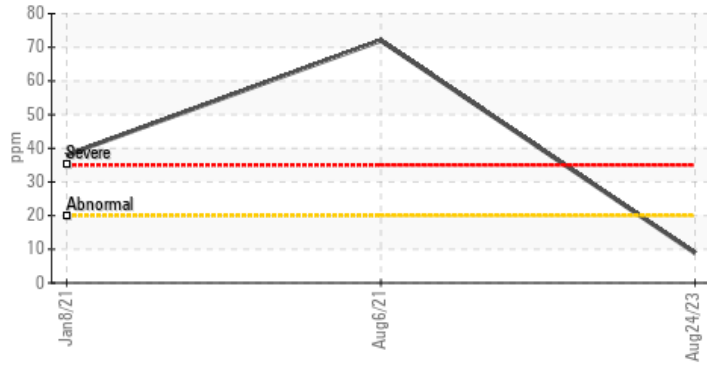


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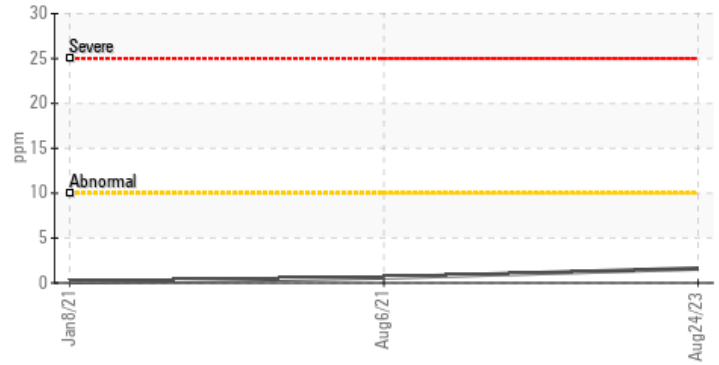


GRAPHS

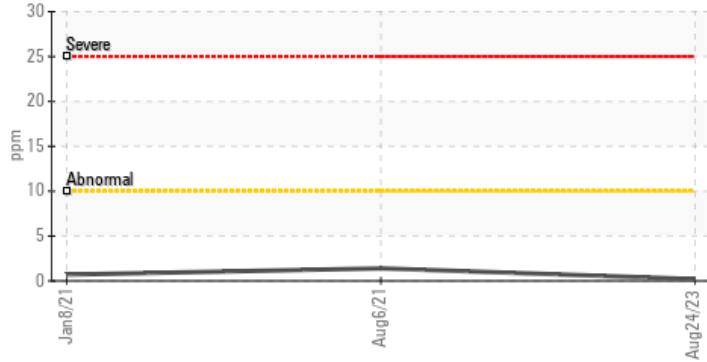
Iron (ppm)



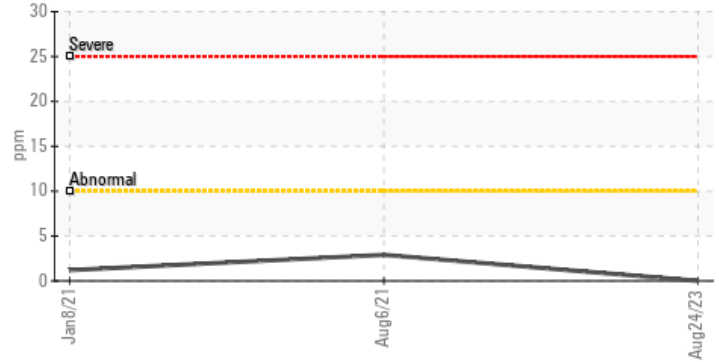
Lead (ppm)



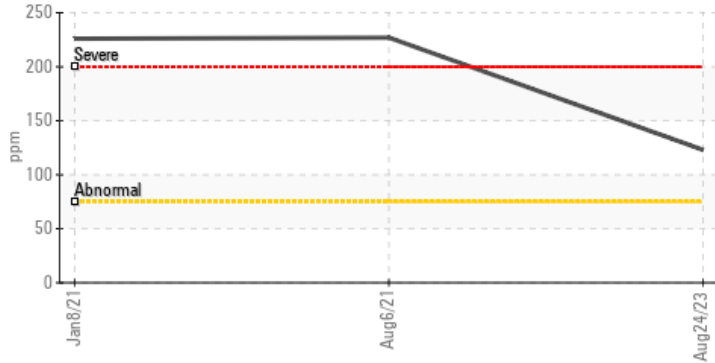
Aluminum (ppm)



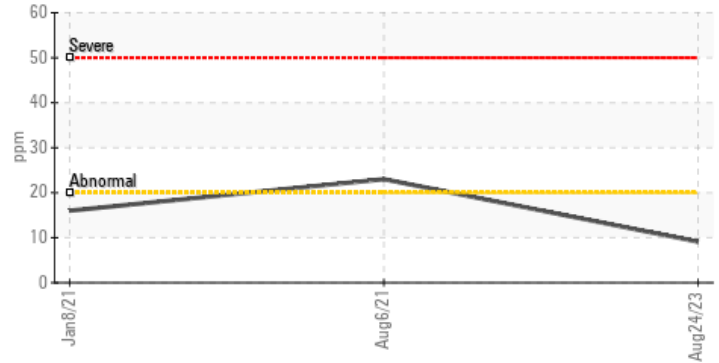
Chromium (ppm)



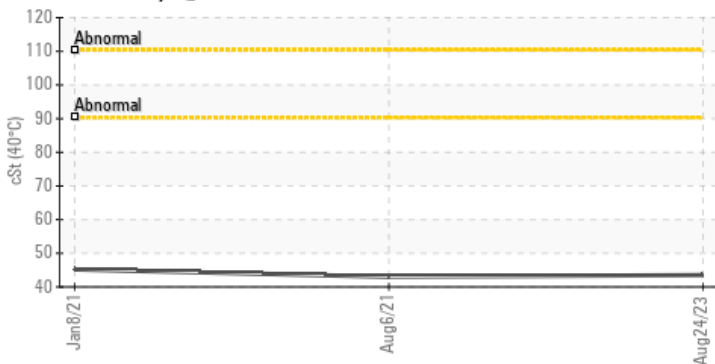
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

