CONSTRUCTION EQUIPMENT

SWO-066190 VOLVO A60H 340039 - WET DISC BRAKE

Sample No: VCP435428
Oil Type: NOT GIVEN
Job No: SWO-066190

SAMPLE INFORMATION

Sample Number		**VCP435428**	VCP412504	VCP366102	VCP366694
Sample Date		**27 Sep 2023**	20 Jun 2023	29 Nov 2022	15 Aug 2022
Machine Hours		**8052**	7542	7061	6529
Oil Hours		**0**	0	0	0
Oil Changed		**Changed**	Not Changd	Not Changd	Not Changd
Sample Status		**ABNORMAL**	ABNORMAL	ABNORMAL	ABNORMAL

OIL CONDITION

Visc @ 40°C	cSt	**48.3**	48.5	48.1	48.5

CONTAMINATION

Silicon	ppm	**21**	25	23	22
Sodium	ppm	**4**	4	4	3
Potassium	ppm	**2**	<1	0	2

WEAR METALS

Iron	ppm	**51**	59	58	52
Copper	ppm	**261**	276	266	251
Lead	ppm	**2**	<1	1	1
Tin	ppm	**<1**	<1	<1	<1
Aluminum	ppm	**4**	4	5	5
Chromium	ppm	**<1**	<1	<1	<1
Molybdenum	ppm	**2**	2	2	2
Nickel	ppm	**4**	4	2	3
Titanium	ppm	**0**	<1	<1	<1
Silver	ppm	**0**	0	0	<1
Manganese	ppm	**2**	2	2	1
Vanadium	ppm	**0**	<1	<1	<1

ADDITIVES

Calcium	ppm	**2652**	3155	3039	2976
Magnesium	ppm	**18**	22	21	18
Zinc	ppm	**1158**	1327	1218	1277
Phosphorus	ppm	**1020**	1144	1061	1089
Barium	ppm	**0**	0	0	1
Boron	ppm	**55**	70	61	61

SAIIA CONSTRUCTION LLC
4400 LEWISBURG RD
BIRMINGHAM, AL
US 35207
Contact: STEPHANI BRITTON
sbritton@saiia.com;doug.bogart@wearcheck.com
T: (205)943-2268
F: (205)943-2269

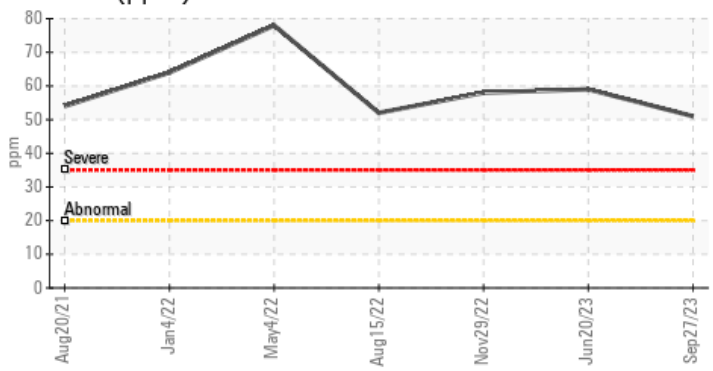
Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.The copper level is abnormal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

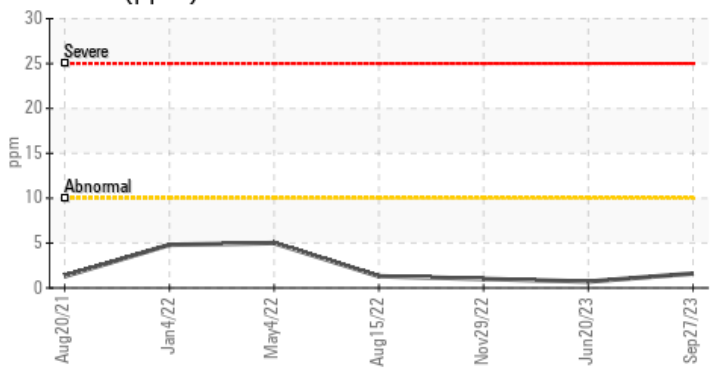
Depot: SAIBIR
Unique No: 10673228
Signed: Don Baldridge
Report Date: 04 Oct 2023

GRAPHS

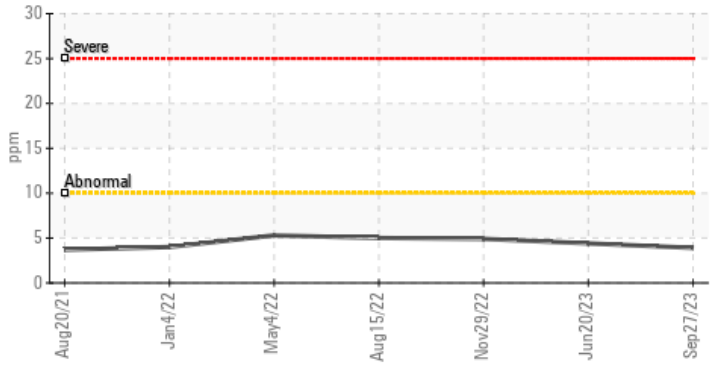
Iron (ppm)



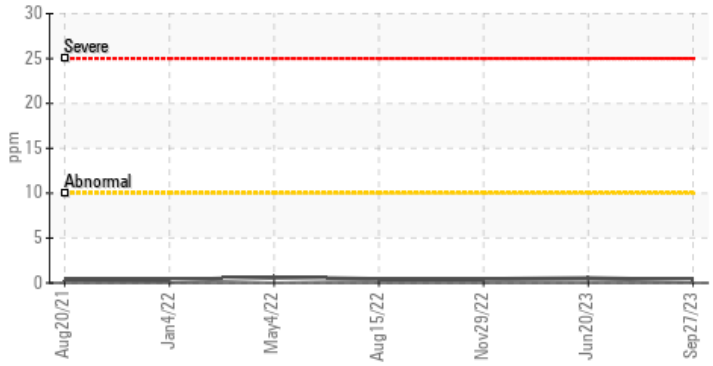
Lead (ppm)



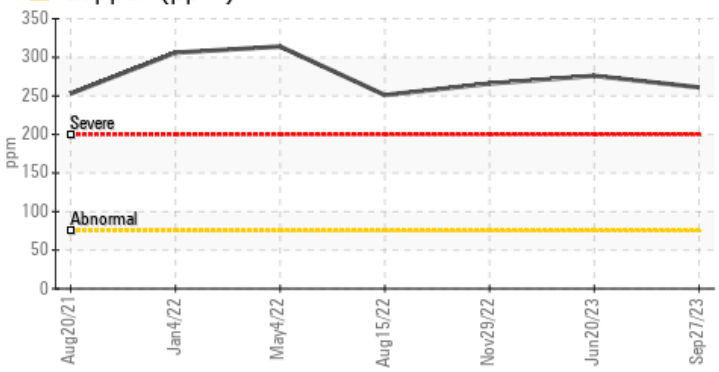
Aluminum (ppm)



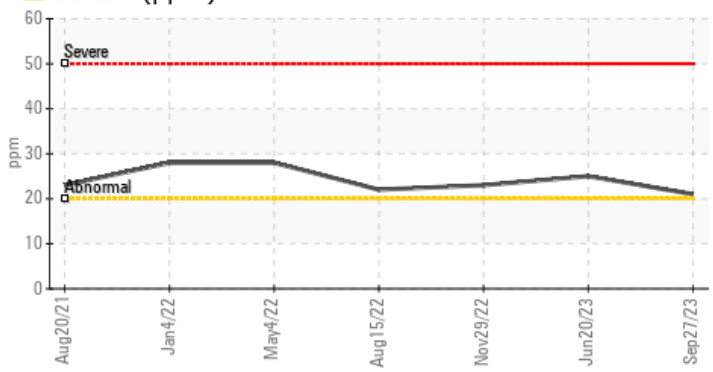
Chromium (ppm)



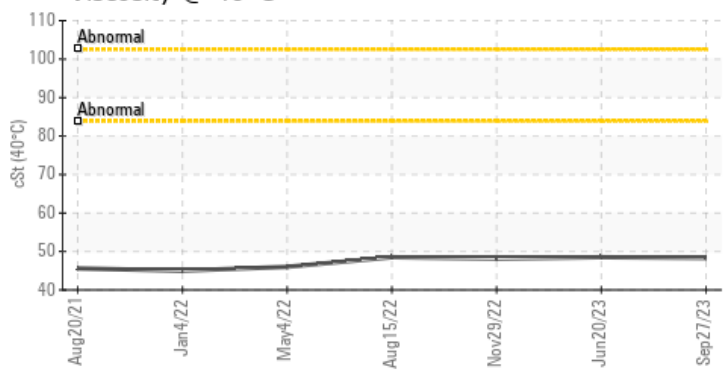
▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives