



CONSTRUCTION EQUIPMENT

SWO-064338 VOLVO A45G 352916 - BRAKE



Sample No: VCP419133
Oil Type: NOT GIVEN
Job No: SWO-064338



SAMPLE INFORMATION

Sample Number	VCP419133	VCP404639	VCP403251	VCP362539
Sample Date	25 Jul 2023	04 May 2023	24 Jan 2023	07 Jul 2022
Machine Hours	3005	2493	1980	936
Oil Hours	0	0	0	936
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	MARGINAL	MARGINAL	NORMAL

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 T: (205)943-2268
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OIL CONDITION

Visc @ 40°C	cSt	41.1	40.9	40.5	40.5
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CONTAMINATION

Silicon	ppm	20	18	19	11
Sodium	ppm	10	9	9	11
Potassium	ppm	0	1	<1	11



WEAR METALS

Iron	ppm	34	18	17	8
Copper	ppm	247	194	177	36
Lead	ppm	0	1	<1	2
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	1	1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	5	5	4	2
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	1
Manganese	ppm	2	2	1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	3374	3500	3603	2321
Magnesium	ppm	10	13	11	12
Zinc	ppm	1511	1605	1567	1035
Phosphorus	ppm	1276	1321	1228	902
Barium	ppm	0	0	0	0
Boron	ppm	112	103	123	89

Diagnosis

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. Bearing and/or bushing wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10575840
Signed: Don Baldrige
Report Date: 30 Jul 2023

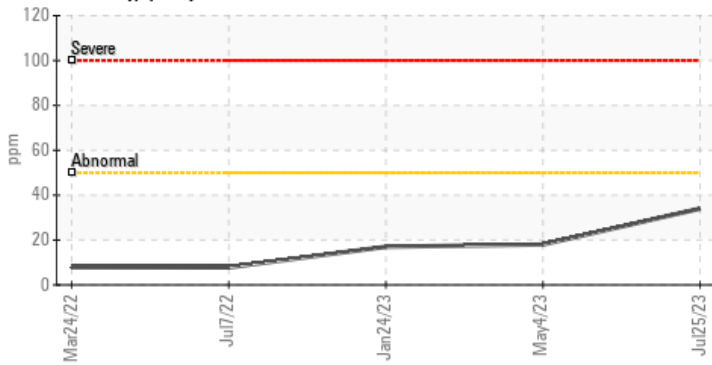


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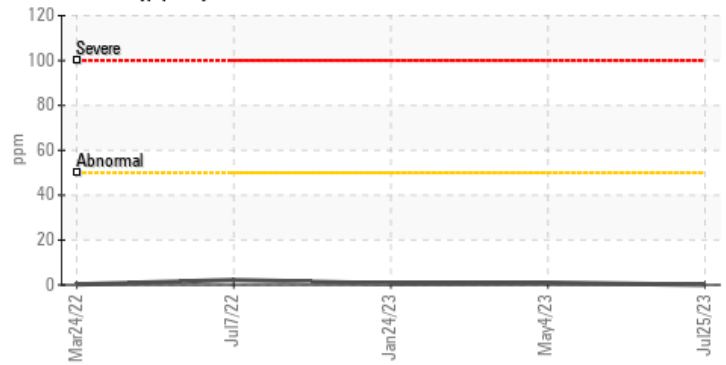


GRAPHS

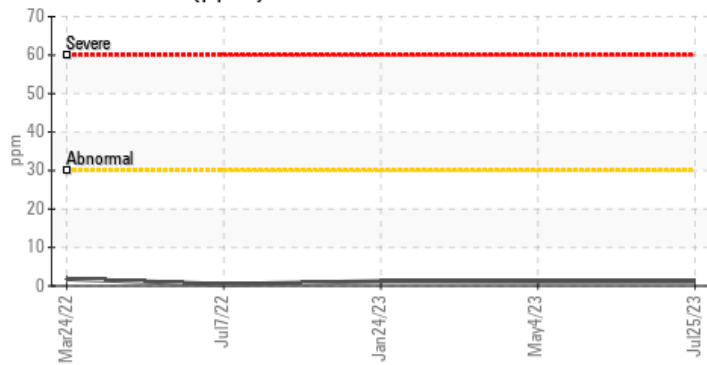
Iron (ppm)



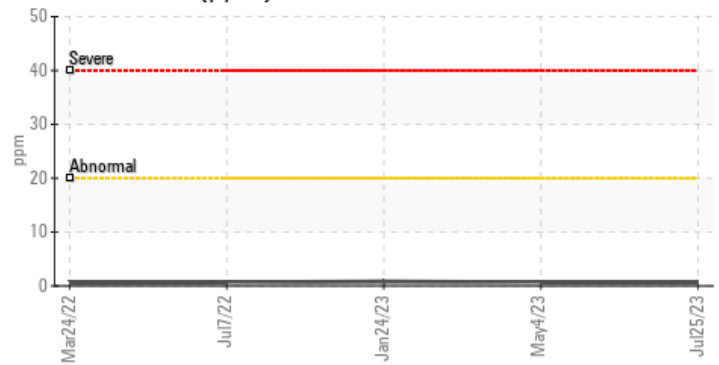
Lead (ppm)



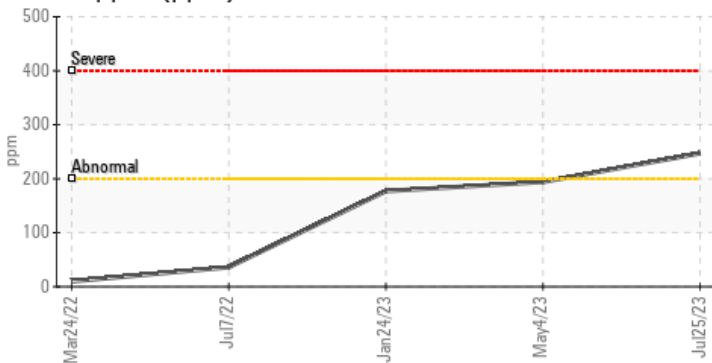
Aluminum (ppm)



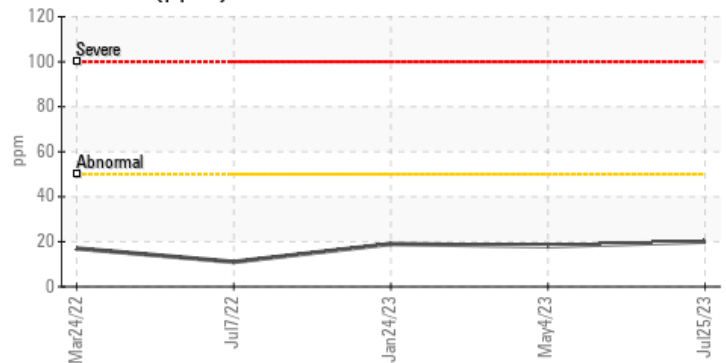
Chromium (ppm)



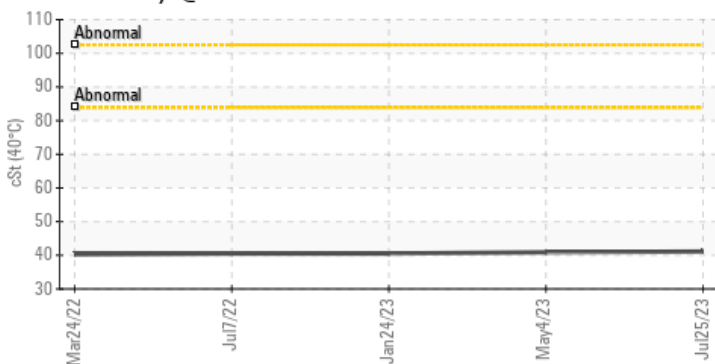
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

