



CONSTRUCTION EQUIPMENT

VOLVO A40G 352199 - TRANSMISSION (AUTO)



Sample No: VCP393187

Oil Type: MOBIL ATF

Job No:



SAMPLE INFORMATION

Sample Number	VCP393187	VCP445727	VCP396962	VCP404650
Sample Date	12 Mar 2024	29 Nov 2023	25 Sep 2023	19 Jul 2023
Machine Hours	7031	6652	6129	5644
Oil Hours	416	486	485	495
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	30.8	30.3	29.4	30.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	3	2
Sodium	ppm	2	3	2	2
Potassium	ppm	2	0	0	2

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. High concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	4	3	3	5
Copper	ppm	14	13	13	15
Lead	ppm	<1	0	0	<1
Tin	ppm	2	1	1	2
Aluminum	ppm	3	2	2	2
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	5	<1	0	2
Nickel	ppm	3	2	2	3
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	239	199	182	239
Magnesium	ppm	27	19	12	19
Zinc	ppm	70	52	40	71
Phosphorus	ppm	257	261	262	267
Barium	ppm	0	0	0	0
Boron	ppm	94	108	97	97

Depot: SCHGRE
Unique No: 10938279
Signed: Don Baldrige
Report Date: 23 Mar 2024

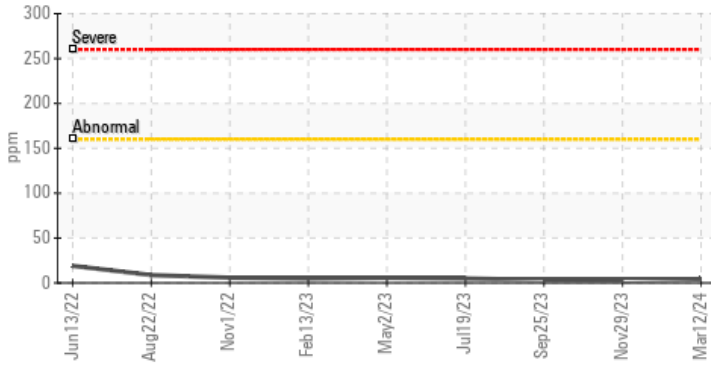


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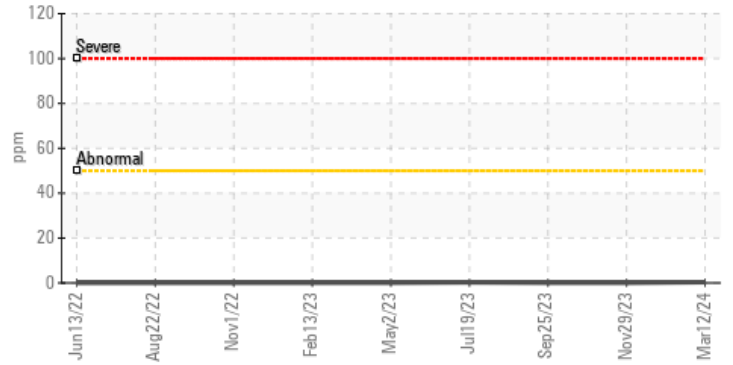


GRAPHS

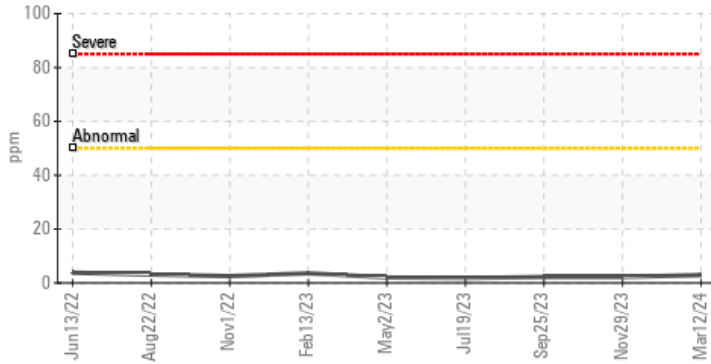
Iron (ppm)



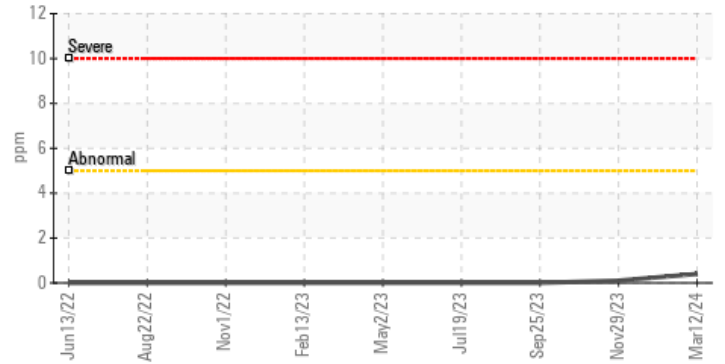
Lead (ppm)



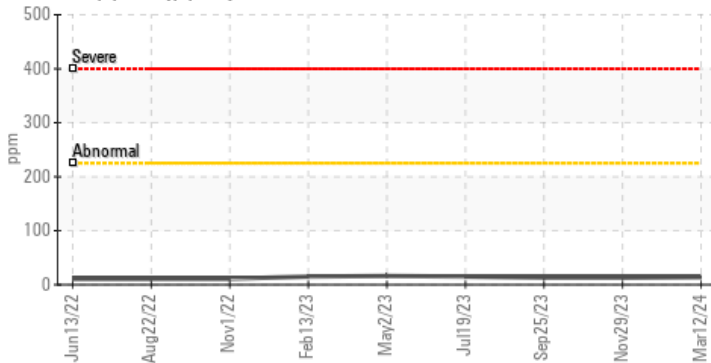
Aluminum (ppm)



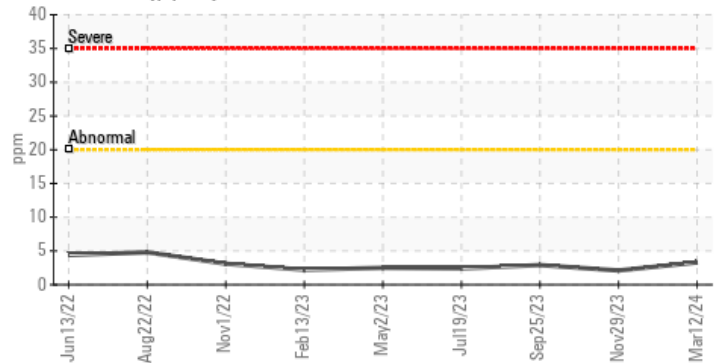
Chromium (ppm)



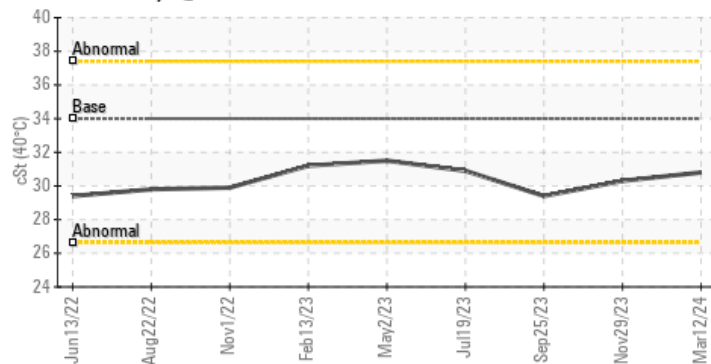
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

