



CONSTRUCTION EQUIPMENT

VOLVO A45G 342538 - TRANSMISSION (AUTO)



Sample No: VCP0007981
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007981	VCP360232	VCP343523	VCP337018
Sample Date	06 Jul 2023	12 Apr 2022	01 Dec 2021	03 Aug 2021
Machine Hours	0	5233	4760	4214
Oil Hours	0	1000	700	1500
Oil Changed	N/A	Not Changd	Not Changd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

QGS - QUALITY GRASSES SERV/TCF LEASING
 17502 CR 672
 LITHIA, FL
 US 33547
 Contact: GARY ROGERS
 grogers@qgsdevelopment.com
 T: (813)323-4119
 F:

OIL CONDITION

Visc @ 40°C	cSt	28.5	27.7	27.88	26.5
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CONTAMINATION

Silicon	ppm	4	5	4	9
Sodium	ppm	0	3	2	6
Potassium	ppm	2	<1	0	2

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate 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	21	20	20	67
Copper	ppm	15	13	85	46
Lead	ppm	0	0	<1	0
Tin	ppm	3	3	7	9
Aluminum	ppm	10	13	11	38
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	2	1	<1	6
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	<1	<1	<1	4
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	89	77	84	86
Magnesium	ppm	3	<1	<1	1
Zinc	ppm	5	1	20	2
Phosphorus	ppm	212	197	190	168
Barium	ppm	0	0	0	0
Boron	ppm	119	85	86	58

Depot: QUALITFL
Unique No: 10549914
Signed: Sean Felton
Report Date: 12 Jul 2023

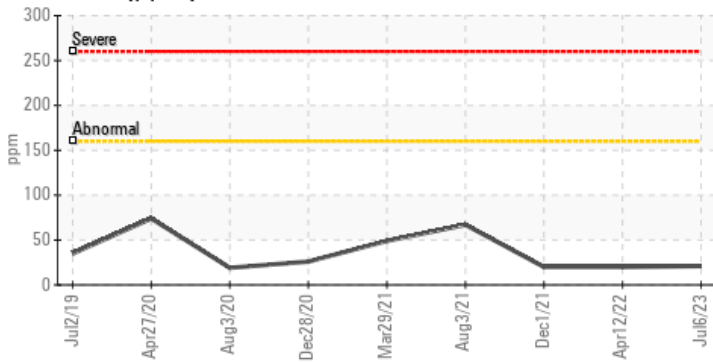


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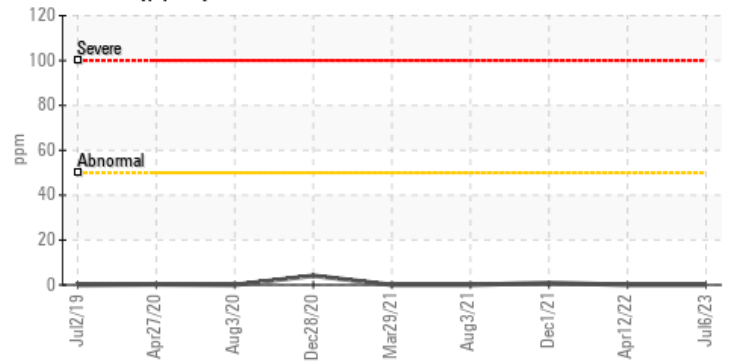


GRAPHS

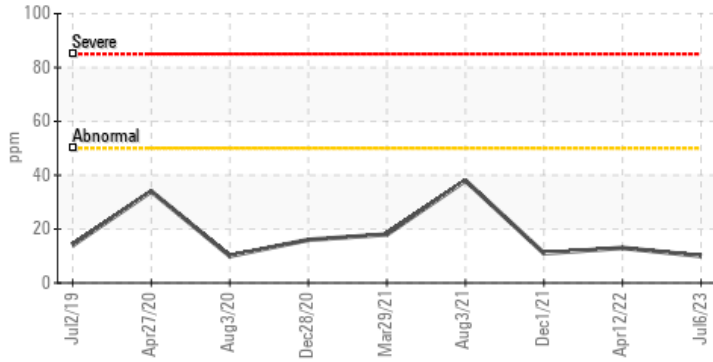
Iron (ppm)



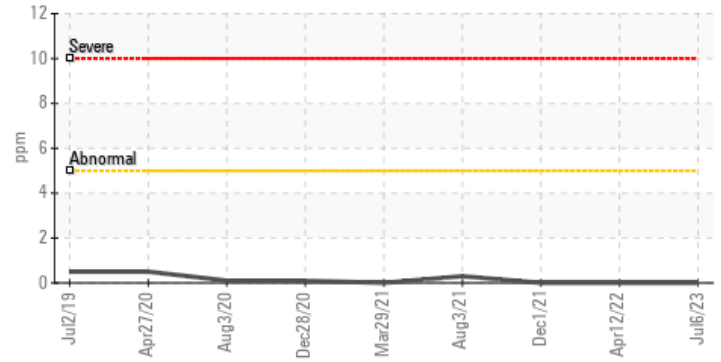
Lead (ppm)



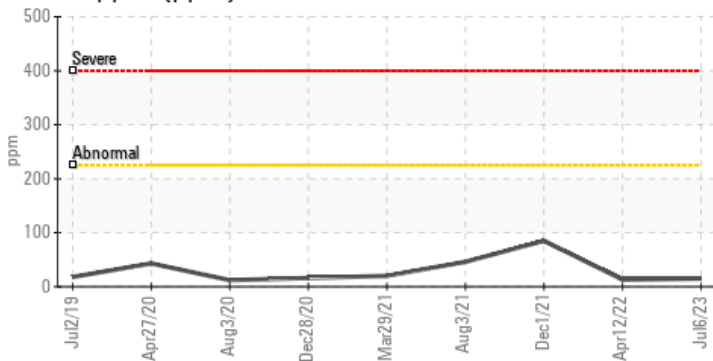
Aluminum (ppm)



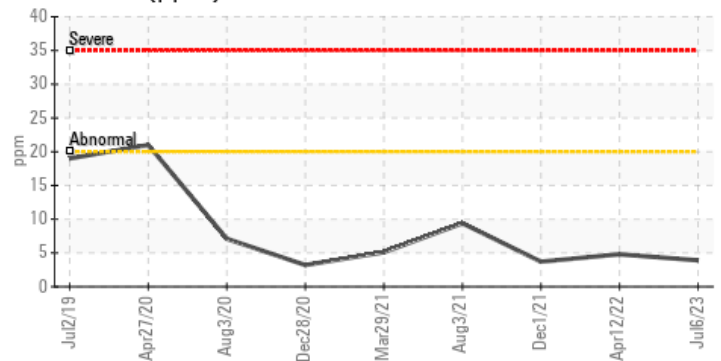
Chromium (ppm)



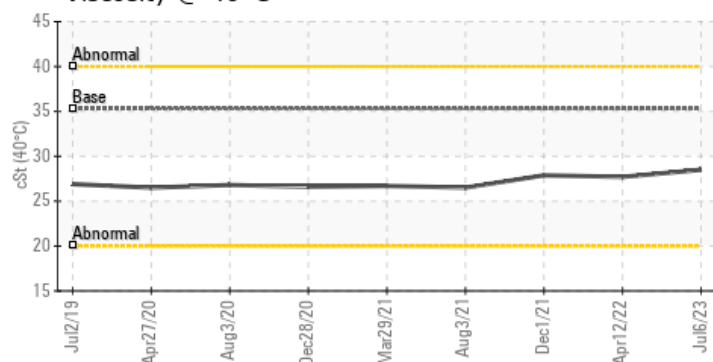
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

