



CONSTRUCTION EQUIPMENT

593679 VOLVO A30G 742129 - TRANSMISSION (AUTO)



Sample No: VCP417664
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 593679



SAMPLE INFORMATION

Sample Number	VCP417664	VCP425787	VCP386346	VCP389374
Sample Date	12 Aug 2023	30 May 2023	21 Dec 2022	03 Oct 2022
Machine Hours	9111	8660	8052	7570
Oil Hours	1000	0	2000	500
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	29.0	29.7	28.76	28.7
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CONTAMINATION

Water	%	0.315	0.831	---	---
Silicon	ppm	20	15	6	4
Sodium	ppm	15	18	3	2
Potassium	ppm	54	72	2	0

Diagnosis
 We advise that you check for the source of water entry. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a moderate concentration of water present in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	194	68	21	12
Copper	ppm	21	13	8	5
Lead	ppm	0	0	0	0
Tin	ppm	4	4	3	1
Aluminum	ppm	33	39	13	8
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	5	8	<1	0
Nickel	ppm	16	16	1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	62	76	84	74
Magnesium	ppm	7	8	1	<1
Zinc	ppm	355	348	<1	0
Phosphorus	ppm	196	191	230	184
Barium	ppm	0	0	0	0
Boron	ppm	48	96	89	84

Depot: RIPTAM
Unique No: 10642081
Signed: Jonathan Hester
Report Date: 13 Sep 2023

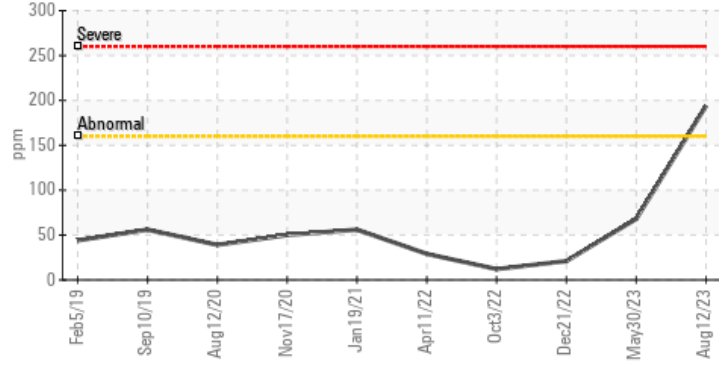


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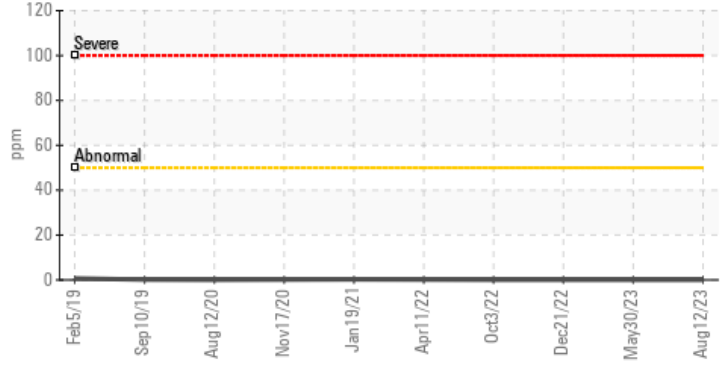


GRAPHS

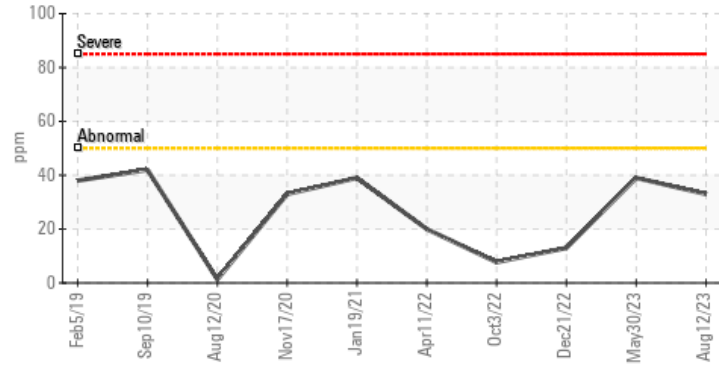
▲ Iron (ppm)



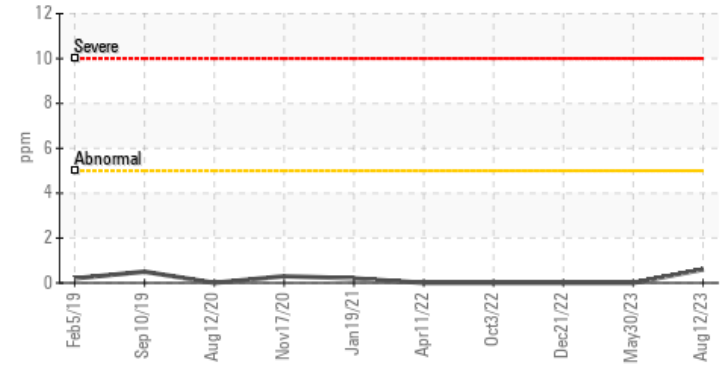
Lead (ppm)



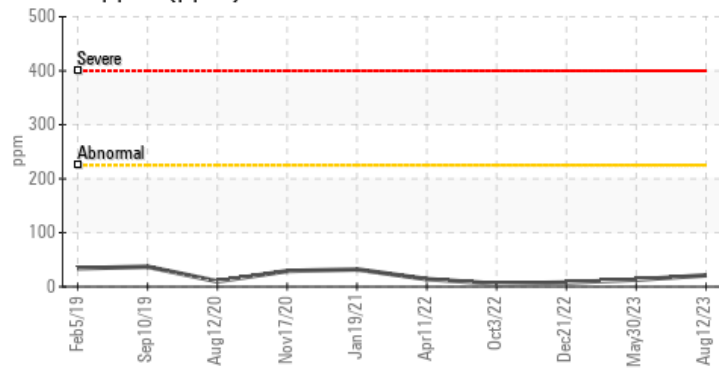
Aluminum (ppm)



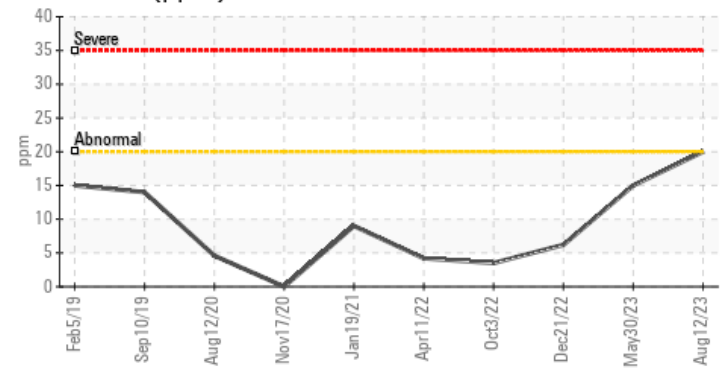
Chromium (ppm)



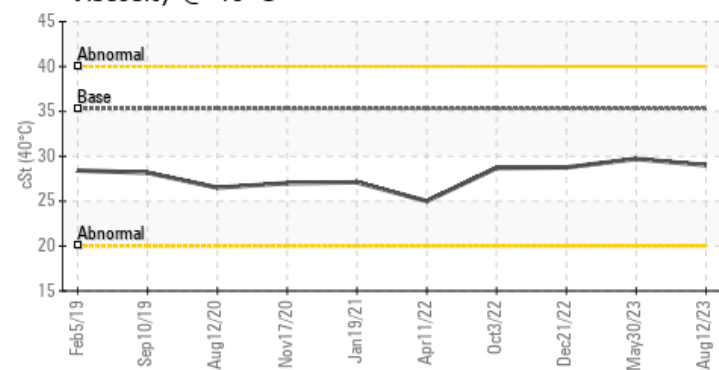
Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



▲ Water

