



CONSTRUCTION EQUIPMENT

VOLVO A45G 353298 - TRANSMISSION



Sample No: VCP399777

Oil Type: ATF

Job No:



SAMPLE INFORMATION

Sample Number	VCP399777	VCP396939	VCP365368	---
Sample Date	18 Sep 2023	22 Mar 2023	03 Jan 2023	---
Machine Hours	1722	757	400	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	NORMAL	ABNORMAL	---

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 BELLEVUE, IA
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	27.4	27.7	28.0	---
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CONTAMINATION

Silicon	ppm	18	14	25	---
Sodium	ppm	2	4	4	---
Potassium	ppm	4	2	3	---

Diagnosis

The fluid change at the time of sampling has been noted. 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	54	38	38	---
Copper	ppm	45	25	18	---
Lead	ppm	<1	0	0	---
Tin	ppm	6	2	2	---
Aluminum	ppm	27	13	13	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	5	3	2	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	4	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	126	103	74	---
Magnesium	ppm	2	<1	0	---
Zinc	ppm	11	8	3	---
Phosphorus	ppm	224	250	193	---
Barium	ppm	1	0	0	---
Boron	ppm	90	105	85	---

Depot: DUNBEL
Unique No: 10702510
Signed: Don Baldrige
Report Date: 23 Oct 2023

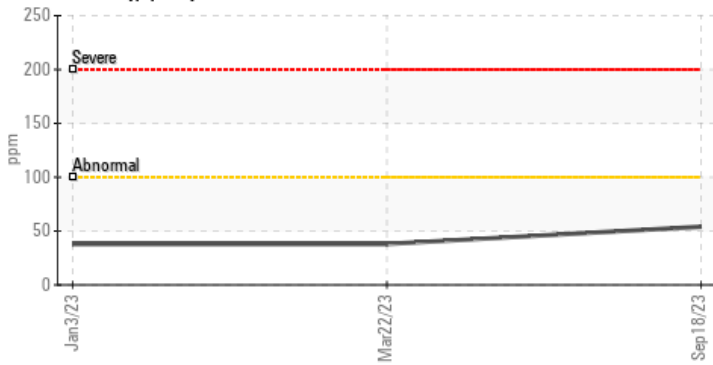


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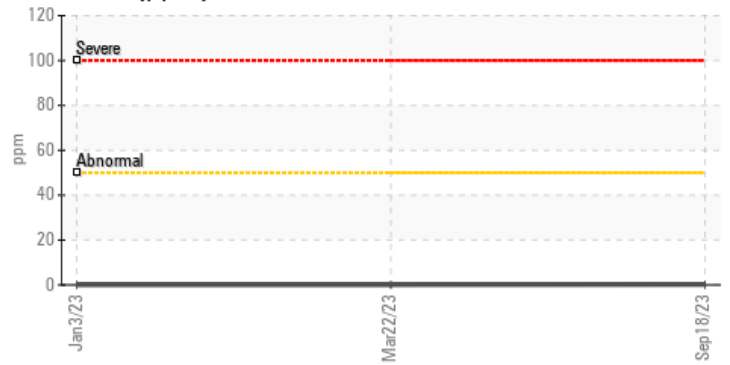


GRAPHS

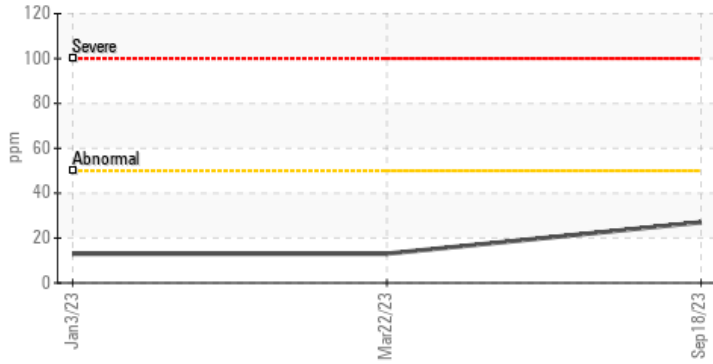
Iron (ppm)



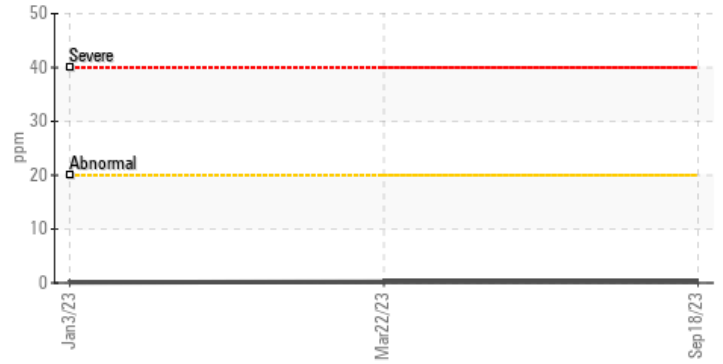
Lead (ppm)



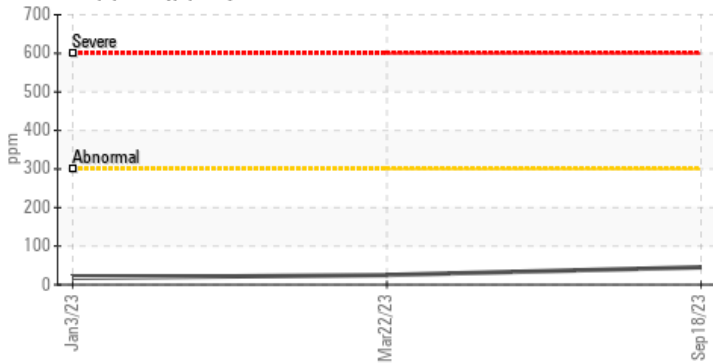
Aluminum (ppm)



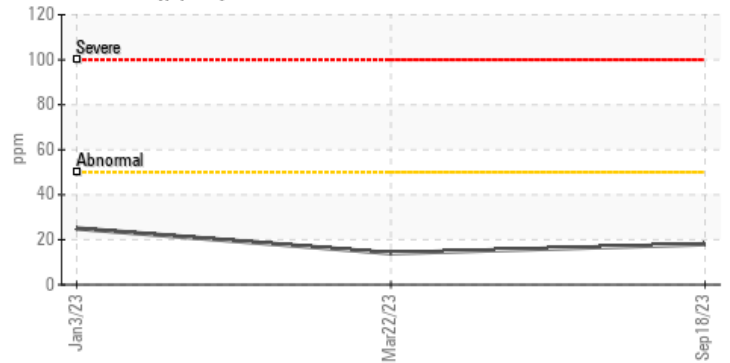
Chromium (ppm)



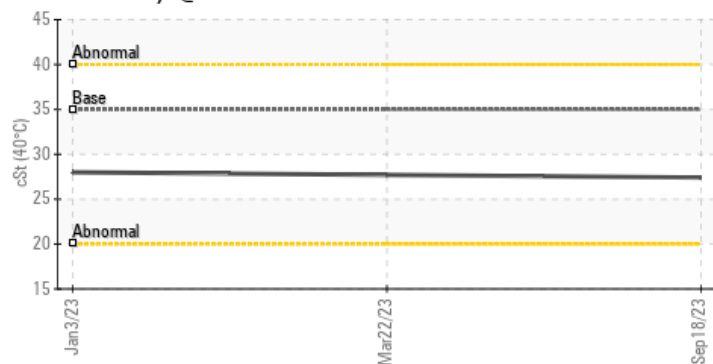
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

