



CONSTRUCTION EQUIPMENT

VOLVO A45GFS 352516 - WET DISC BRAKE



Sample No: VCP409159
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

Sample Number	VCP409159	VCP373579	---	---
Sample Date	18 Sep 2023	22 Mar 2023	---	---
Machine Hours	4264	3222	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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 318 N 14TH ST
 BELLEVUE, IA
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 Contact: STEVE DUNN
 DUNNCONSTRUCTINC@GMAIL.COM
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	40.0	39.9	---	---
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CONTAMINATION

Silicon	ppm	28	28	---	---
Sodium	ppm	7	12	---	---
Potassium	ppm	3	0	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	77	58	---	---
Copper	ppm	165	154	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	8	8	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3488	3710	---	---
Magnesium	ppm	11	14	---	---
Zinc	ppm	1525	1535	---	---
Phosphorus	ppm	1330	1330	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	114	129	---	---

Depot: DUNBEL
Unique No: 10702405
Signed: Don Baldrige
Report Date: 23 Oct 2023

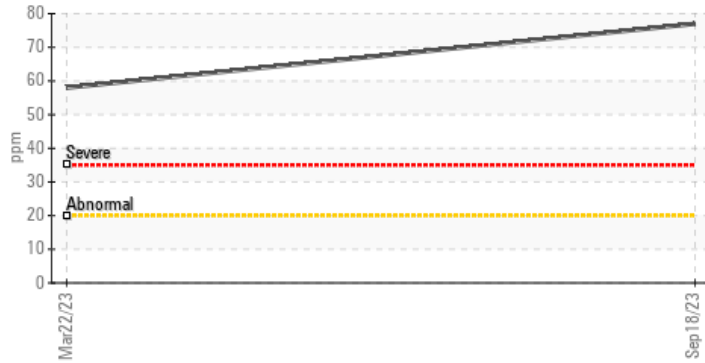


CONSTRUCTION EQUIPMENT

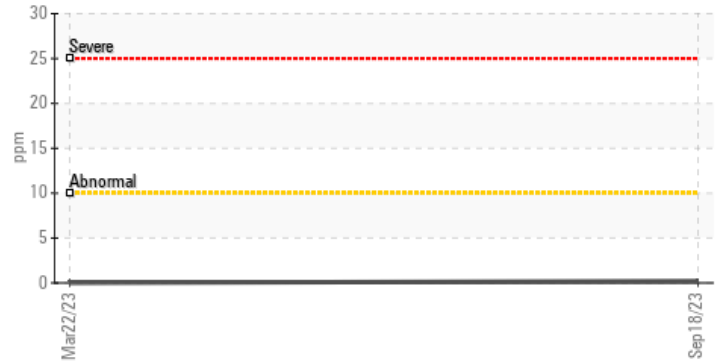


GRAPHS

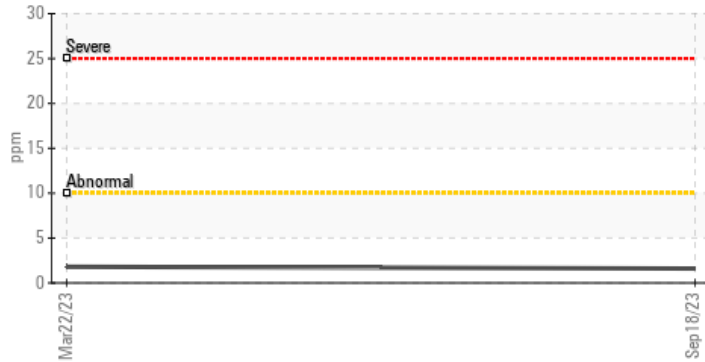
Iron (ppm)



Lead (ppm)



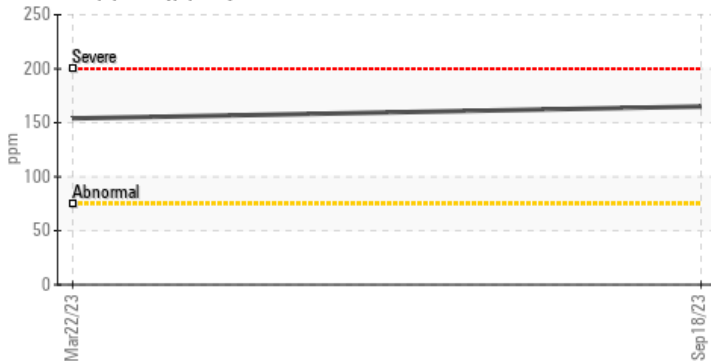
Aluminum (ppm)



Chromium (ppm)



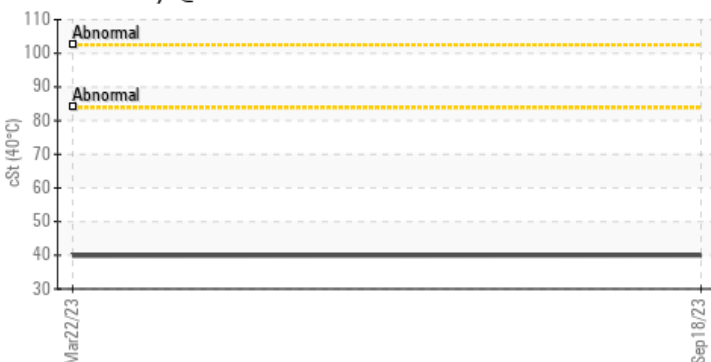
▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

