



CONSTRUCTION EQUIPMENT

VOLVO A40G 353024 - WET DISC BRAKE



Sample No: VCP426715
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No:



SAMPLE INFORMATION

Sample Number	VCP426715	VCP416734	---	---
Sample Date	29 Aug 2023	06 Jun 2023	---	---
Machine Hours	2926	2517	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302

OIL CONDITION

Visc @ 40°C	cSt	41.8	41.0	---	---
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CONTAMINATION

Silicon	ppm	20	21	---	---
Sodium	ppm	7	10	---	---
Potassium	ppm	2	0	---	---

WEAR METALS

Iron	ppm	29	26	---	---
Copper	ppm	162	135	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	6	6	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	3254	3720	---	---
Magnesium	ppm	8	10	---	---
Zinc	ppm	1436	1588	---	---
Phosphorus	ppm	1308	1334	---	---
Barium	ppm	2	0	---	---
Boron	ppm	121	113	---	---

Diagnosis
 The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. The iron 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.

Depot: VOLVO0090
Unique No: 10633232
Signed: Don Baldrige
Report Date: 07 Sep 2023

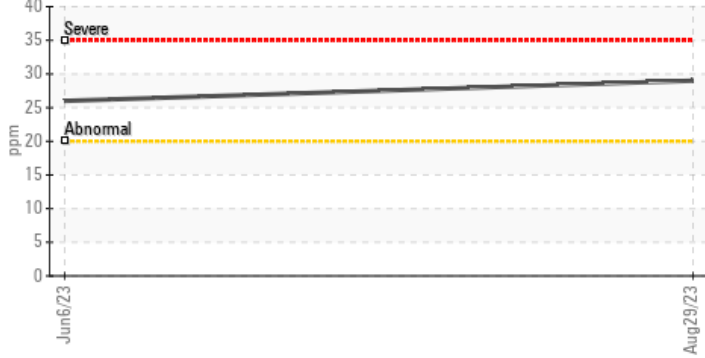


CONSTRUCTION EQUIPMENT

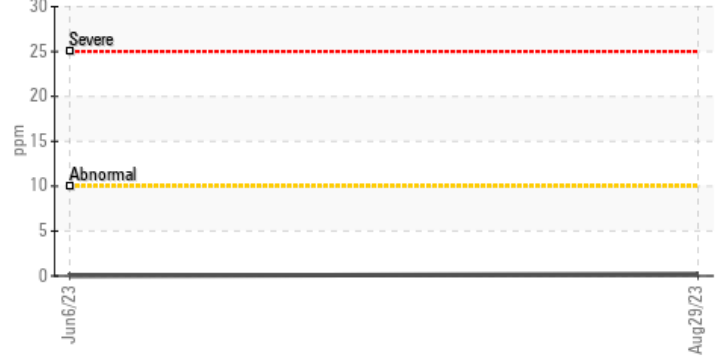


VOLVO GRAPHS

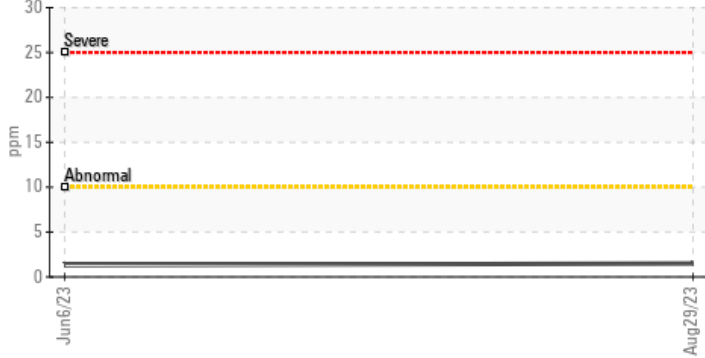
▲ Iron (ppm)



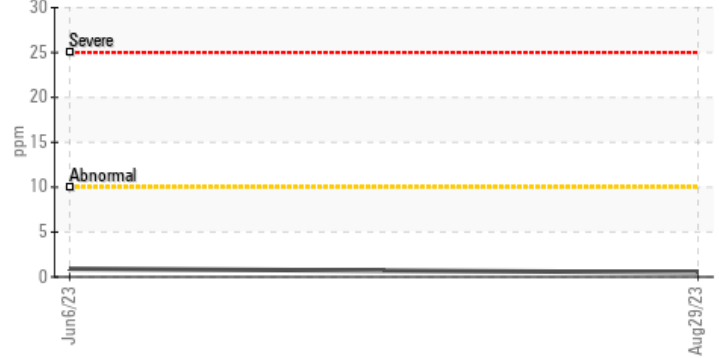
Lead (ppm)



Aluminum (ppm)



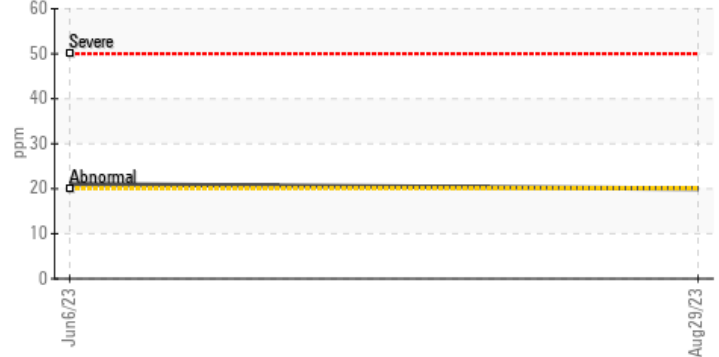
Chromium (ppm)



▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

