

Machine Id



VOLVO A40G 341245

Wet Disc Brake

VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR	W	E,	Α	R
------	---	----	---	---

The copper level is abnormal. A sharp increase in the iron level is noted.

CONTAMINATION

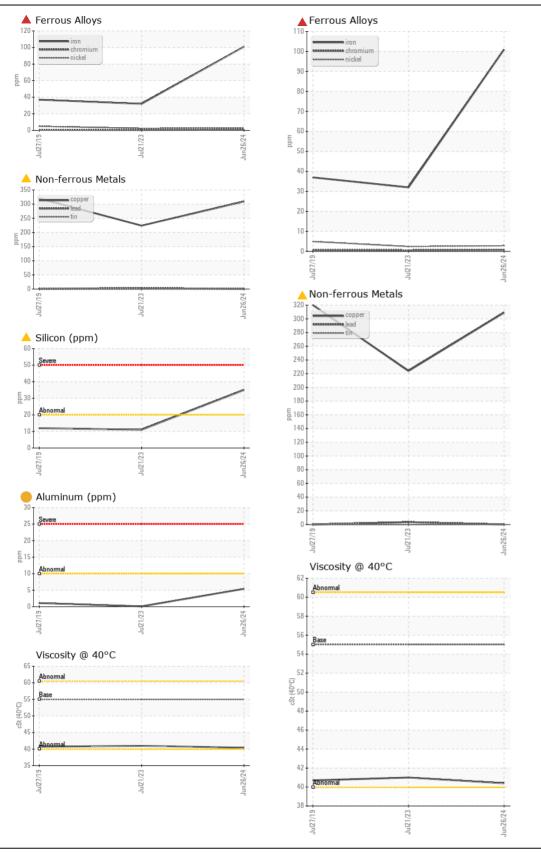
Elemental levels of silicon (Si) and aluminum (AI) indicate aluminasilicate (coarse dirt) ingress.

FLUIC	NDIT	ION

The condition of the oil is acceptable for the time in service.

Sample Number Client Info ML0002745 VCP423653 V	
	listory2
Comple Data Olicet late 00 his 2004 of 11 0000 of	CP252575
Sample Date Client Info 26 Jun 2024 21 Jul 2023 2	7 Jul 2019
Machine Age hrs Client Info 7738 7168 4	096
Oil Age hrs Client Info 570 2000 0	
Filter Age hrs Client Info 0 0	
Oil Changed Client Info N/A Changed C	hanged
Filter Changed Client Info Changed Changed C	hanged
Sample Status SEVERE ABNORMAL A	BNORMAL
Iron ppm ASTM D5185m >20 ▲ 101 32	37
Chromium ppm ASTM D5185m >10 <1	<1
Nickel ppm ASTM D5185m >10 3 2	5
Titanium ppm ASTM D5185m <1 0	0
Silver ppm ASTM D5185m 0 0	0
Aluminum ppm ASTM D5185m >10 5 <1	1
Lead ppm ASTM D5185m >10 0 4	0
Copper ppm ASTM D5185m >75 △ 309 △ 224 △	320
Tin ppm ASTM D5185m >10 <1	0
Vanadium ppm ASTM D5185m 0 0	0
White Metal scalar *Visual NONE NONE	NONE
Yellow Metal scalar *Visual NONE NONE NONE	NONE
Silicon ppm ASTM D5185m >20 ▲ 35 11	12
Potassium ppm ASTM D5185m >20 1 0	<1
Water WC Method >0.1 NEG NEG	NEG
Silt scalar *Visual NONE NONE NONE	NONE
Debris scalar *Visual NONE NONE NONE	NONE
Cond/Dist sector */ (such NONE NONE	NONE
Sand/Dirt scalar *Visual NONE NONE NONE	NORML
Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML	
	NORML
Appearance scalar *Visual NORML NORML NORML	
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORML	NORML
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEG	NORML
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m63	NORML NEG
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m63BoronppmASTM D5185m110133	NORML NEG 6 104
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m63BoronppmASTM D5185m110133BariumppmASTM D5185m00	NORML NEG 6 104 0
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m63BoronppmASTM D5185m1101333BariumppmASTM D5185m00MolybdenumppmASTM D5185m00	NORML NEG 6 104 0 0
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m63BoronppmASTM D5185m110133BariumppmASTM D5185m00MolybdenumppmASTM D5185m02ManganeseppmASTM D5185m332	NORML NEG 6 104 0 0 2
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m63BoronppmASTM D5185m110133133BariumppmASTM D5185m000MolybdenumppmASTM D5185m3323ManganeseppmASTM D5185m1399	NORML NEG 6 104 0 0 2 5
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Watescalar*Visual>0.1NEGNEGSodiumppmASTM D5185m63BoronppmASTM D5185m1101333133BariumppmASTM D5185m000MolybdenumppmASTM D5185m33213ManganeseppmASTM D5185m133913CalciumppmASTM D5185m3670358913	NORML NEG 6 104 0 2 2 5 3635
Appearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGSodiumppmASTM D5185m63BoronppmASTM D5185m110133133BariumppmASTM D5185m000MolybdenumppmASTM D5185m33213MagnesiumppmASTM D5185m13392MagnesiumppmASTM D5185m367035893670PhosphorusppmASTM D5185m134812191	NORML NEG 6 104 0 0 2 5 3635 1278

Submitted By: Service - Alex Anderson



MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 1345 MOUNTAIN ROAD : ML0002745 : 02 Jul 2024 Lab Number : 06226836 Tested GLEN ALLEN, VA : 03 Jul 2024 Diagnosed : 05 Jul 2024 - Don Baldridge Unique Number : 11110329 US 23060 Test Package : CONST Contact: KYLE RATLIFFE Certificate L2367 KRATLIFFE@MCCLUNG-LOGAN.COM To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: (804)266-1611 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: Service - Alex Anderson Page 2 of 2