

## VOLV Component Transi

## Machine Id VOLVO L90H 625992

Transmission

## VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (5 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

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The iron level is abnormal. All other component wear rates are normal.

## CONTAMINATION

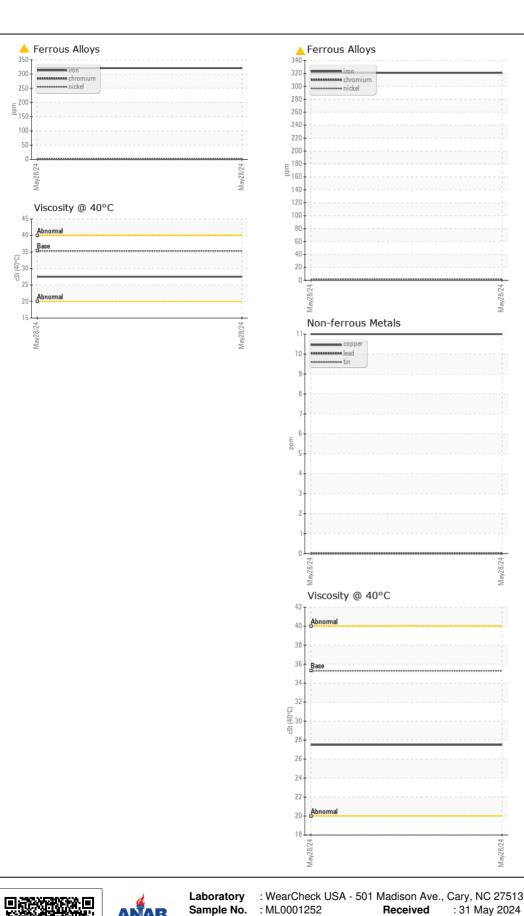
There is no indication of any contamination in the fluid.

FLUID		

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

TestUOMMethodLimit/MCurrentHistory1History2Sample NumberIClient InfoML0001252Sample DateIClient Info4027Machine AgehrsClient Info4027Filter AgehrsClient Info4027Cli ChangedTClient Info4027Filter AgehrsClient Info4027Gli ChangedTClient Info4027Filter ChangedNClient Info4027Sample StatusClient InfoAgeSample StatusClient InfoMAgeTornpmASTMD5185>100AgeNickelpmASTMD5185>100SilvenpmASTMD5185>3000AluminumpmASTMD5185>3000SiluenpmASTMD5185>200101YandaümpmASTMD5185>200101SiluenpmASTMD5185>200101SiluenpmASTMD5185>200101SiluenpmASTMD5185>200101Siluenpm							
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Filter Age Oil ChangedInsClient InfoKan Bar StressKan StressKa	Machine Age	hrs	Client Info		4027		
Oli ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusABNORMALIronppmASTM D518s>100ChromiumppmASTM D518s>20NickelppmASTM D518s>10NickelppmASTM D518s>10JitaniumppmASTM D518sAluminumppmASTM D518sAluminumppmASTM D518sCopperppmASTM D518sVanadiumppmASTM D518sValond Metalscalar'visualNONEValond Metalscalar'visualNONEValond Metalscalar'visualNONEValond Metalscalar'visualNONEValond Metalscalar'visualNONEValond Metalscalar'visualNONEValond Metalscalar'visualNONEValond Metalscalar'visualNONE <tr<tr>Valond Metal&lt;</tr<tr>	Oil Age	hrs	Client Info		4027		
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Yellow Metalscalar*VisualNONENONESiliconppmASTM D518sn>5013PotassiumppmASTM D518sn>202WaterWC Method>0.2 <b>NEG</b> Silitscalar*VisualNONE <b>NONE</b> Debrisscalar*VisualNONE <b>NONE</b> Sand/Dirtscalar*VisualNONE <b>NONE</b> Appearancescalar*VisualNORMMORMLOdorscalar*VisualNORMMORMLSodiumppmASTM D518snBoronppmASTM D518snManganeseppmASTM D518sn0.011ManganeseppmASTM D518snManganeseppmASTM D518sn21589PhosphorusppmASTM D518sn215PhosphorusppmASTM D518sn215ManganeseppmASTM D518sn215PhosphorusppmASTM D518sn215PhosphorusppmASTM D518sn215Manganeseppm <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>							
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PotassiumppmASTM D5185m>202WaterWC Method>0.2NEGSiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMNORMLSodiumscalar*VisualNORMNORMLSodiumppmASTM D5185m18766BariumppmASTM D5185m10.01MolybdenumppmASTM D5185m0.011MagnesiumppmASTM D5185m0.011PhosphorusppmASTM D5185m21.589PhosphorusppmASTM D5185m5652SulfurppmASTM D5185m13362198	Silicon	maa	ASTM D5185m	>50	13		
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Emulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m6BoronppmASTM D5185m187633BariumppmASTM D5185m0.01MolybdenumppmASTM D5185m0.011ManganeseppmASTM D5185m0.011MagnesiumppmASTM D5185m0.011CalciumppmASTM D5185m21589PhosphorusppmASTM D5185m5652SulfurppmASTM D5185m13362198		scalar	*Visual	NORML	NORML		
Sodium  ppm  ASTM D5185m  6     Boron  ppm  ASTM D5185m  187  63     Barium  ppm  ASTM D5185m  0.0  1      Molybdenum  ppm  ASTM D5185m  0.0  1      Manganese  ppm  ASTM D5185m  0.0  11      Magnesium  ppm  ASTM D5185m  0.0  11      Calcium  ppm  ASTM D5185m  0.0  11      Phosphorus  ppm  ASTM D5185m  215  89      Zinc  ppm  ASTM D5185m  215  89      Sulfur  ppm  ASTM D5185m  56  52	Emulsified Water	scalar		>0.2	NEG		
Boron  ppm  ASTM D5185m  187  63     Barium  ppm  ASTM D5185m  0.0  1      Molybdenum  ppm  ASTM D5185m  0.0  1      Manganese  ppm  ASTM D5185m  0.0  11      Magnesium  ppm  ASTM D5185m  0.0  11      Magnesium  ppm  ASTM D5185m  0.0  11      Calcium  ppm  ASTM D5185m  6.8  <1      Phosphorus  ppm  ASTM D5185m  215  89      Zinc  ppm  ASTM D5185m  56  52      Sulfur  ppm  ASTM D5185m  1336  2198							
Barium  ppm  ASTM D5185m  0.0  1     Molybdenum  ppm  ASTM D5185m  0.0  <1      Manganese  ppm  ASTM D5185m  0.0  11      Magnesium  ppm  ASTM D5185m  0.0  11      Calcium  ppm  ASTM D5185m  6.8  <1      Phosphorus  ppm  ASTM D5185m  215  89      Phosphorus  ppm  ASTM D5185m  245  213      Zinc  ppm  ASTM D5185m  56  52      Sulfur  ppm  ASTM D5185m  1336  2198	Sodium	ppm	ASTM D5185m		6		
Molybdenum  ppm  ASTM D5185m  0.0  <1	Boron	ppm	ASTM D5185m	187	63		
Manganese  ppm  ASTM D5185m  0.0  11      Magnesium  ppm  ASTM D5185m  6.8  <1	Barium	ppm	ASTM D5185m	0.0	1		
Magnesium  ppm  ASTM D5185m  6.8  <1	Molybdenum	ppm	ASTM D5185m	0.0	<1		
Calcium  ppm  ASTM D5185m  215  89      Phosphorus  ppm  ASTM D5185m  445  213      Zinc  ppm  ASTM D5185m  56  52      Sulfur  ppm  ASTM D5185m  1336  2198	Manganese	ppm		0.0	11		
Phosphorus  ppm  ASTM D5185m  445  213      Zinc  ppm  ASTM D5185m  56  52      Sulfur  ppm  ASTM D5185m  1336  2198	Magnesium	ppm	ASTM D5185m	6.8	<1		
Zinc  ppm  ASTM D5185m  56  52     Sulfur  ppm  ASTM D5185m  1336  2198	Calcium	ppm	ASTM D5185m	215	89		
Sulfur  ppm  ASTM D5185m  1336  2198	Phosphorus	ppm	ASTM D5185m	445	213		
	Zinc	ppm	ASTM D5185m	56	52		
Visc @ 40°C cSt ASTM D445 35.3 27.5	Sulfur	ppm	ASTM D5185m	1336	2198		
	Visc @ 40°C	cSt	ASTM D445	35.3	27.5		

Submitted By: Emylio Pineda



Lab Number : 06197150

MCCLUNG-LOGAN EQUIPMENT CO - BALTIMORE 4601 WASHINGTON BOULEVARD BALTIMORE, MD : 04 Jun 2024 - Don Baldridge US 21227 Contact: Emylio Pineda epineda@mcclung-logan.com T: F: (410)242-7835



Unique Number : 11059273 Diagnosed Test Package : CONST Certificate L2367 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Tested

: 03 Jun 2024