# **VOLVO - INSPECTION REPORT**

# Volvo, A40g - Articulated haul trucks

Country: US Date: 09/30/2019 Make: Volvo Serial number: 342009 Trans S/N: 1700107527 Dealer: Arnold Machinery Company Inspector: Mike seifet Model: A40g Location: Las vegas Year: 2016 Hours: 5066 Matris hours: 5066

Serial number: 34200 Trans S/N: 17001075		Engine S/N: 657204	Matris hours: 5066
Comment:			
Equipped Config	uration		
[X] Yes Standard ( [] Yes Water Tan [] Yes LED Light [X] Yes Strobe Light [X] Yes Hydraulic I [X] Yes Hydraulic I [] Yes Auto Lube [] Yes Fire Suppri [X] Yes Mud Flaps	k ht switch control lever control System ession System	[ ] Yes Scraper ARRG. [ ] Yes Low Profile Cab [ X ] Yes Standard Body [ ] Yes Extra Spill Guard [ ] Yes Exhaust Body Heat [ X ] Yes Overhung Tailgate [ ] Yes Underfung Tailgate [ ] Yes Underground ARRG.	<ul> <li>[ ] Yes Fuel Heater</li> <li>[ ] Yes Full Suspension</li> <li>[ ] Yes Frame Ext.</li> <li>[ X ] Yes Onboard Weight Sys.</li> <li>[ X ] Yes Bed Liner Metal</li> <li>[ ] Yes Bed Liner Plastic</li> <li>[ X ] Yes Back Up Camera</li> <li>[ ] Yes Fast Fuel</li> </ul>
Comment:			
lmages			
Comment:			
Operators Station	1		
Seats and armrest	[X] Good		
Dash and console	[X]Fair Remar	ks: Small holes from cb	
Floor Board/Mat	[X] Good		
Cab glass	[X] Good		
Mirrors	[X] Good		
Interior light	[X] Good		
Switches	[X] Good		
Wipers	[X] Good		
Gauges	[X] Good		
Hydraulic controls	[X] Good		
Powertrain controls	[X] Good		
AC cooling	[X] Good		
CAB Interior	[X] Good		
Operators station condition summary	Overall good con	dition	
Comment:			

#### **Outside appearance** [X]Good Steps Hand rails [X] Good Counterweight / [X] Good Bumper Grill [X] Good Hood [X] Good Exhaust stack [X] Good Pre-cleaner bowl [X]Good Front fenders [X]Good Hyd tank [X] Good Fuel tank [X]Good Def tank [X]Good Front frame & welds [X]Good Rear frame & welds [X] Good Sheet metal [X] Good Paint [X] Good Outside appearance Overall good condition condition summary Comment:

#### Safety condition

Safety decals in place [X]Yes Operators manual [X]Yes Safety handles [X] Good Seat belt [X] Good Horn [X] Good Back up alarm [X] Good Brake lights [X]Good Turn signals [X] Good Hazard lights [X] Good **ROPS Structure** [X]Good CAB [X] Good Safety condition Overall good condition summary

### **Electrical condition**

Comment:

Computer [X]Good ECM'S [X]Good Monitor / Display [X]Good Wiring harness's [X] Good
Key switch [X] Good
Switches [X] Good
Lighting [X] Good
Engine preheater [X] Good
Batteries / Connections [X] Good
Battery disconnect [X] Good

switch

Electrical condition summary

Overall good condition

Comment:

**Engine condition** Oil level OK [X]Yes Water in oil [X]No Compression in [X] No radiator Blow by [X]No Engine knocking [X]No CE PLATE [X]Yes Oil pressure [X]Good Oil leaks [X]No **EPA DECAL** [X]Yes Turbo charger [X]Good Exhaust manifold [X]Good Muffler [X] Good Fuel injection system [X] Good Head gasket [X]Good Head [X] Good Fan guard [X] Good Belts & pulleys [X]Good Wiring harness [X]Good Starter [X]Good Alternator [X]Good Seals & gaskets [X] Good

Engine mounts

AC Compressor

**Brackets** 

[X]Good

[X]Good

[X] Good

Comment:  Cooling system Cooling aystem Cooling aystem Radiator  (X) Good Water pump (X) Good Oil cooler (X) Good Fan (X) Good Fan (X) Good Fan drive (X) Good Cooling system Coorment:  Transmission condition Oil level CK (X) Yes Water in oil (X) No Any leaks (X) No Torque converter (X) Good Case (X) Good Ratarder (X) Good Transfer case (X) Good Shifting reverse (X) Good Transmission summeny (Stopping digite overall good condition  Comment:  Axels-Final Drives-Brakes Front differential (X) Good Center differential (X) Good	Air filters	[X] Good
Cooling system	Engine condition summary	Overall good condition
Coolant color   Yallow   Radiator   [X] Good	Comment:	
Rediator   X   Good   Water pump   X   Good   Water pump   X   Good   Fan   X   Good   Fan drive   X   Good   Hoses   X   Good   Cooling system   Summary   Comment:  Transmission condition  Oil level OK   X   Yes   Water in oil   X   No   Torque converter   X   Good   Pump   X   Good   Hoses   X   Good   Retarder   X   Good   Transfer case   X   Good   Shifting forward   X   Good   Transmission summary   180psi @dide overall good condition  Comment:  Axels-Final Drives-Brakes  Front differential   X   Good   Center differential   X   Cente	Cooling system	
Water pump         [X] Good           Oil cooler         [X] Good           Fan drive         [X] Good           Hoese         [X] Good           Cooling system         Overall good condition           Transmission condition           Oil level OK         [X] Yes           Water in oil         [X] No           Any leaks         [X] Good           Case         [X] Good           Pump         [X] Good           Heese         [X] Good           Retarder         [X] Good           Shifting forward         [X] Good           Shifting reverse         [X] Good           Transmission summary         [180 gidle overall good condition           Comment:         Axels-Final Drives-Brakes           Front differential         [X] Good           Center differential         [X] Good	Coolant color	Yellow
Oil cooler         [X] Good           Fan drive         [X] Good           Hoses         [X] Good           Cooling system summary         Overall good condition           Transmission condition           Oil level OK         [X] Yes           Water in oil         [X] No           Any leaks         [X] Good           Case         [X] Good           Pump         [X] Good           Hoses         [X] Good           Transfer case         [X] Good           Shifting forward         [X] Good           Transmission summary         [80ps] @idle overall good condition           Comment:         Axels-Final Drives-Brakes           Front differential         [X] Good           Center differential         [X] Good	Radiator	[X] Good
Fan (X) Good  Fan drive (X) Good  Hoses (X) Good  Cooling system summary  Comment:  Transmission condition  Oll level OK (X) Yes  Water in oil (X) No Any leaks (X) No  Torque converter (X) Good  Case (X) Good  Pump (X) Good  Retarder (X) Good  Retarder (X) Good  Shifting forward (X) Good  Shifting reverse (X) Good  Transmission summary (180psi @idle overall good condition  Comment:  Axels-Final Drives-Brakes  Front differential (X) Good  Center differential (X) Good	Water pump	[X] Good
Fan drive [X] Good  Hoses [X] Good  Cooling system Summary  Comment:  Transmission condition  Oil level OK [X] Yes  Water in oil [X] No  Any leaks [X] No  Torque converter [X] Good  Case [X] Good  Hoses [X] Good  Retarder [X] Good  Retarder [X] Good  Transfer case [X] Good  Transfer case [X] Good  Shifting forward [X] Good  Transmission summary   180psi @idle overall good condition  Comment:  Axels-Final Drives-Brakes  Front differential [X] Good  Case [X] Good	Oil cooler	[X] Good
Hoses	Fan	[X] Good
Cooling system summary  Comment:  Transmission condition  Oil level OK	Fan drive	[X] Good
Comment:  Transmission condition  Oil level OK [X] Yes  Water in oil [X] No  Any leaks [X] No  Torque converter [X] Good  Case [X] Good  Pump [X] Good  Hoses [X] Good  Retarder [X] Good  Transfer case [X] Good  Shifting forward [X] Good  Shifting reverse [X] Good  Transmission summary 180psi @idle overall good condition  Comment:  Axels-Final Drives-Brakes  Front differential [X] Good	Hoses	[X] Good
Transmission condition	Cooling system summary	Overall good condition
Transmission condition		
Oil level OK         [X] Yes           Water in oil         [X] No           Any leaks         [X] No           Torque converter         [X] Good           Case         [X] Good           Pump         [X] Good           Hoses         [X] Good           Retarder         [X] Good           Transfer case         [X] Good           Shifting forward         [X] Good           Transmission summary         [80psi @idle overall good condition           Comment:         Axels-Final Drives-Brakes           Front differential         [X] Good           Center differential         [X] Good	Comment:	
Water in oil         [X] No           Any leaks         [X] No           Torque converter         [X] Good           Case         [X] Good           Pump         [X] Good           Hoses         [X] Good           Retarder         [X] Good           Transfer case         [X] Good           Shifting forward         [X] Good           Shifting reverse         [X] Good           Transmission summary         180psi @idle overall good condition           Comment:         Axels-Final Drives-Brakes           Front differential         [X] Good           Center differential         [X] Good	Transmission co	ndition
Any leaks         [X] No           Torque converter         [X] Good           Case         [X] Good           Pump         [X] Good           Hoses         [X] Good           Retarder         [X] Good           Transfer case         [X] Good           Shifting forward         [X] Good           Shifting reverse         [X] Good           Transmission summary         [80psi @idle overall good condition           Axels-Final Drives-Brakes           Front differential         [X] Good           Center differential         [X] Good	Oil level OK	[X]Yes
Torque converter [X] Good Case [X] Good Pump [X] Good Hoses [X] Good Retarder [X] Good Transfer case [X] Good Shifting forward [X] Good Shifting reverse [X] Good Transmission summary 180psi @idle overall good condition Comment:  Axels-Final Drives-Brakes Front differential [X] Good Center differential [X] Good	Water in oil	[X]No
Case         [X] Good           Pump         [X] Good           Hoses         [X] Good           Retarder         [X] Good           Transfer case         [X] Good           Shifting forward         [X] Good           Shifting reverse         [X] Good           Transmission summary         [80psi @idle overall good condition           Comment:         Axels-Final Drives-Brakes           Front differential         [X] Good           Center differential         [X] Good	Any leaks	[X]No
Pump         [X] Good           Hoses         [X] Good           Retarder         [X] Good           Transfer case         [X] Good           Shifting forward         [X] Good           Shifting reverse         [X] Good           Transmission summary         [80psi @idle overall good condition           Comment:         Axels-Final Drives-Brakes           Front differential         [X] Good           Center differential         [X] Good	Torque converter	[X] Good
Hoses [X] Good  Retarder [X] Good  Transfer case [X] Good  Shifting forward [X] Good  Shifting reverse [X] Good  Transmission summary 180psi @idle overall good condition  Comment:  Axels-Final Drives-Brakes  Front differential [X] Good  Center differential [X] Good	Case	[X] Good
Retarder [X] Good  Transfer case [X] Good  Shifting forward [X] Good  Shifting reverse [X] Good  Transmission summary 180psi @idle overall good condition  Comment:  Axels-Final Drives-Brakes  Front differential [X] Good  Center differential [X] Good	Pump	[X] Good
Transfer case [X] Good Shifting forward [X] Good Shifting reverse [X] Good Transmission summary 180psi @idle overall good condition Comment:  Axels-Final Drives-Brakes Front differential [X] Good Center differential [X] Good	Hoses	[X] Good
Shifting forward [X] Good Shifting reverse [X] Good Transmission summary 180psi @idle overall good condition Comment:  Axels-Final Drives-Brakes Front differential [X] Good Center differential [X] Good	Retarder	[X] Good
Shifting reverse [X] Good  Transmission summary 180psi @idle overall good condition  Comment:  Axels-Final Drives-Brakes  Front differential [X] Good  Center differential [X] Good	Transfer case	[X] Good
Transmission summary 180psi @idle overall good condition  Comment:  Axels-Final Drives-Brakes  Front differential [X] Good  Center differential [X] Good	Shifting forward	[X] Good
Axels-Final Drives-Brakes  Front differential [X] Good  Center differential [X] Good	Shifting reverse	[X] Good
Axels-Final Drives-Brakes  Front differential [X] Good  Center differential [X] Good	Transmission summa	ary 180psi @idle overall good condition
Front differential [X] Good  Center differential [X] Good	Comment:	
Center differential [X] Good	Axels-Final Drive	s-Brakes
	Front differential	[X] Good
Rear differential [X] Good	Center differential	[X] Good
	Rear differential	[X] Good

Differential supports	[X] Good
Drive shafts	[X] Good
UV Joints	[X] Good
Planetaires front	[X] Good
Planetaires center	[X] Good
Planetaires rear	[X] Good
Hoses / Lines	[X] Good
Torsion rods	[X] Good
Holds in park	[X]Yes
Brakes wet	[X]Yes
Holds thru all gears	[X]Yes
Brakes dry	[X]Yes
Brake disk / calipers	[X] Good
Brake lines	[X] Good
Seals	[X] Good
Parking brake	[X] Good
Summary	Overall good condition
Comment:	

# Steering & articulation condition

Steering cylinders [X] Good
Pumps [X] Good
Valves [X] Good
Lines / Hoses [X] Good
Secondary steering [X] Good

Steering pins & [X] Fair Remarks: Normal wear

bushings

Steering wheel tilt & [X] Good

function

Articulation pins & [X] Fair Remarks: Normal wear

bushings

Summary Overall good condition

Comment:

# **Hydraulics condition**

Bed lift cylinders [X] Good
Pumps [X] Good
Valves [X] Good
Hoses [X] Good
Fittings [X] Good
Tank [X] Good

Controls	[X] Good				
Bed float	[X] Good				
Operational condition	[X] Good				
Summary	Overall good condition				
Comment:					
Bed & other attach	nments				
Bed type / Size					
Tailgate S / N					
Bed serial					
Addtl attachments					
Coill accord	[VICood				
Spill guard	[X] Good				
Body Bed liner	[X] Good				
	[X] Good				
Bed sides Bed floor	[X] Good				
	[X] Good [X] Good				
Wear plates Tailgate	[X] Fair Remarks: Multiple dents				
i aligate	[X] Fall Tremains. [Multiple defits				
Pins & bushings	[X] Fair Remarks: Normal wear				
Summary					
•					
Comment:					
Tires & rims					
Make	Michelin				
Serial	Vpv2346a4a. 45/32				
% Remaining					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Make	Michelin				
Serial	V <sub>1</sub> , 2007-2-, 45/20				
Geriai	Vpv2327a3a. 45/32				
% Remaining					
Maka					
Make	Michelin				
Serial	Vpv1535m6a. 40/33				
0/ 5					
% Remaining					
Make	Michelin				
Serial	Vpv2555a5a. 43/32				
% Remaining					
Make	Michelin				
Serial					
	Vov2347a3 42/32				
% Remaining	Vpv2347a3. 42/32				

Make	Michelin
Serial	Vpv2314a6. 40/32
% Remaining	
Recapped	[X]No
Tread cuts	[X]Yes Remarks: Some
Side wall cuts	[X] Yes Remarks: Some
Tire size the same	[X] Yes Remarks: 29.5r25
Overall tire condition	[X] Good
Rims	[X] Good
Lug nuts & studs	[X] Good
Comment:	
General Comments	
Legend (5 star rating) Paint general	[ ]5 [ ]4 [ ]3 [ ]2 [ ]1 [ ]Good [ ]Fair [ ]Poor Remarks:
Comment:	