































# Commercial Vehicle Truck & Trailer


## MAINTENANCE INSPECTION

## CHECKLIST

Make/Model:		Date:
Unit #:	Machine Hours:	Operator:

CHECKS:	CONDITION:	COMMENTS:
<b>ENGINE &amp; COMPARTMENT:</b>		
Engine Oil	Level: Leaks:	
Engine Coolant	Level: Leaks:	
Fuel & DEF	Level: Leaks:	
Belts/Hoses	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PASS</div> <div style="text-align: center;"> REPLACE SOON</div> <div style="text-align: center;"> REPLACE NOW</div> </div>	
Cables/Wires	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PASS</div> <div style="text-align: center;"> REPLACE SOON</div> <div style="text-align: center;"> REPLACE NOW</div> </div>	
Battery (Charge, Connections)	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PASS</div> <div style="text-align: center;"> REPLACE SOON</div> <div style="text-align: center;"> REPLACE NOW</div> </div>	
Brake Fluid (if applicable)	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PASS</div> <div style="text-align: center;"> REPLACE SOON</div> <div style="text-align: center;"> REPLACE NOW</div> </div>	
Cooling System Fluid	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PASS</div> <div style="text-align: center;"> REPLACE SOON</div> <div style="text-align: center;"> REPLACE NOW</div> </div>	
Exhaust Leaks	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PASS</div> <div style="text-align: center;"> REPLACE SOON</div> <div style="text-align: center;"> REPLACE NOW</div> </div>	
<b>CAB / EXTERIOR:</b>		
Mirrors – cracked, broken, missing?	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PASS</div> <div style="text-align: center;"> REPLACE SOON</div> <div style="text-align: center;"> REPLACE NOW</div> </div>	
Stop / Tail / Turn / Head Lights, Running / Clearance Lights	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PASS</div> <div style="text-align: center;"> REPLACE SOON</div> <div style="text-align: center;"> REPLACE NOW</div> </div>	
Glass – broken or cracked?	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PASS</div> <div style="text-align: center;"> REPLACE SOON</div> <div style="text-align: center;"> REPLACE NOW</div> </div>	
Windshield Wipers & Fluid	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PASS</div> <div style="text-align: center;"> REPLACE SOON</div> <div style="text-align: center;"> REPLACE NOW</div> </div>	
Cab Shocks	Use Shock Temp Sheet to assess	

**MAINTENANCE INSPECTION CHECKLIST/continued**

CHECKS:	CONDITION:	COMMENTS:
<b>SUSPENSION:</b>		
Shock Absorbers 	Use Shock Temp Sheet to assess	
Air Springs	<div>PASS</div> <div>REPLACE SOON</div> <div>REPLACE NOW</div>	
Bushings & Shackles	<div>PASS</div> <div>REPLACE SOON</div> <div>REPLACE NOW</div>	
<b>WHEEL END:</b>		
Wheels – cracks, damage?	<div>PASS</div> <div>REPLACE SOON</div> <div>REPLACE NOW</div>	
Tire Wear	Tread Depth: Wear Patterns:	
Brake Shoes / Pads	Heat Gun at Arrival -Brake Balance Friction Depth:	
Brake Drums / Rotors – cracks or heat checked?	<div>PASS</div> <div>REPLACE SOON</div> <div>REPLACE NOW</div>	
Brake Components / Slack Adjuster	Stroke:	
Hubs	Heat Gun at Arrival	
Wheel Seal / Hub Cap Leaks		
<b>STEERING:</b>		
Steering Components	<div>PASS</div> <div>REPLACE SOON</div> <div>REPLACE NOW</div>	
Alignment	<div>PASS</div> <div>REPLACE SOON</div> <div>REPLACE NOW</div>	
Steering Stabilizer	<div>PASS</div> <div>REPLACE SOON</div> <div>REPLACE NOW</div>	
<b>CAB / INTERIOR:</b>		
Instruments / Gauges	<div>PASS</div> <div>REPLACE SOON</div> <div>REPLACE NOW</div>	
Warning Lights / Alarms	<div>PASS</div> <div>REPLACE SOON</div> <div>REPLACE NOW</div>	
Fire Extinguisher - condition	<div>PASS</div> <div>REPLACE SOON</div> <div>REPLACE NOW</div>	
Horn	<div>PASS</div> <div>REPLACE SOON</div> <div>REPLACE NOW</div>	
Seat & Seat Belt	<div>PASS</div> <div>REPLACE SOON</div> <div>REPLACE NOW</div>	



# Gabriel HD SHOCK TEST



## SHOCK TEMP WORKSHEET



**Did you know?** Tires, Shock & Air Springs work together & wear together!

SHOCK TEMP = °F

Steer Axle - Drivers side			
	PSI	Wear Patterns?	Damage?
Steer Tire			
Air Spring			

*Check tires for Cupping or other wear patterns.*

SHOCK TEMP = °F

Steer Axle - Passenger side			
	PSI	Wear Patterns?	Damage?
Steer Tire			
Air Spring			

*Check air springs for cracks, cuts, nicks or rubs.*

SHOCK TEMP = °F

SHOCK TEMP = °F

### Drive Axles - Drivers side

	PSI	Wear Patterns?	Damage?
Outside Tire 1			
Outside Tire 2			
Inside Tire 1			
Inside Tire 2			
Air Spring			

*Check air springs for leaks using soapy water to look for bubbles.*

SHOCK TEMP = °F

SHOCK TEMP = °F

### Drive Axles - Passenger side

	PSI	Wear Patterns?	Damage?
Outside Tire 1			
Outside Tire 2			
Inside Tire 1			
Inside Tire 2			
Air Spring			

*Check tires for Cupping or other wear patterns.*

SHOCK TEMP = °F

SHOCK TEMP = °F

### Trailer Axles - Drivers side

	PSI	Wear Patterns?	Damage?
Outside Tire 1			
Outside Tire 2			
Inside Tire 1			
Inside Tire 2			
Air Spring			

SHOCK TEMP = °F

SHOCK TEMP = °F

### Trailer Axles - Passenger side

	PSI	Wear Patterns?	Damage?
Outside Tire 1			
Outside Tire 2			
Inside Tire 1			
Inside Tire 2			
Air Spring			

Courtesy of **Gabriel**, the Shock Experts





## ADDITIONAL COMPONENTS for TEMP GUN DIAGNOSTICS

### Quick Tips on more uses for the Gabriel HD Shock Tester

Here are some other ways you can use an infrared thermometer for maintenance inspection diagnostics:

- Engine, transmission, and rear differential temp
- Diagnose cylinder misfires by scanning the exhaust manifold
- Turbocharger housing temp
- Test your HVAC system by measuring temperatures of inlets, outlets, and supply lines, output vents and condenser
- Check Radiator for operation & blockages
- Operation of engine, trans and other coolers
- Detect balance or excessive heat in brake components, wheel end components
- Tires – low pressure tires run hotter than high pressure tires

## Why should your shop check Shocks?

### Q. How many bad shocks *per week* are passing thru your shop?

10 Vehicles /Trailers with @10 shocks coming thru per week	Bad Shocks Diagnosed	Bad Shocks Replaced	Average Consumer price per Shock	Your Shop's Shock Sales
100	0	0	\$60	\$0
100	50	50	\$60	\$3,000