



Recommended Roadable Inspection Criteria for Leased Chassis

This inspection is to be performed ***before*** a leased chassis goes on the road. Much of the inspection is visual, but some air system and electrical system checks require attaching a tractor or mobile-unit connection.

1.0 Chassis Structure				
	Component	Condition	Action Required	X or ✓
1.1	All chassis frame components, including rails, bolsters, goosenecks, stiffeners, bumpers, crossmembers, and gussets	Any condition, including loading that causes the frame or body to be in contact with a tire or any part of the wheel assembly.	Determine the cause and Repair	
		Severe corrosion affecting strength	Repair	
		Cracked, torn, broken, or poor welds	Repair	
		Missing or loose components, parts or fasteners	Repair / replace	
1.2	Kingpin	Cracked, broken, loose or sagging components	Repair / replace	
		Cracked, chipped, distorted	Replace	
		Movement in any direction	Replace	
		Broken or poor welds	Repair	
1.3	Upper coupler and pickup plate	Cut, broken, or poor welds	Repair	
		Severe dishing that prevents proper coupling of tractor fifth wheel	Replace	
		Cut, torn or cracked components	Repair	
		Severe corrosion affecting strength	Repair	
2.0 Landing Gear				
2.1	All landing gear components – legs, shoes, braces, fasteners, gear box, handle, retainer, axles, fasteners	Missing parts or components	Replace	
		Deformed, bent, torn, cracked so as to affect service and safety	Repair	
		Severe corrosion affecting service	Repair	
		Broken, cracked, poor welds	Repair	
		Inoperable crank	Repair	
3.0 Securing Devices				
3.1	All securing devices on the chassis – twistlocks, locking pins, collars, housings, springs, handles, and retainers must be structurally sound and fully operable.	Missing components, handles, retainers, springs	Replace	
		Securing device is detached, not-operable, incapable of properly attaching to container aperture and securing container	Repair	
		Broken, cracked welds affecting service	Repair	
		Loose fasteners affecting service	Repair	
		Loose collars or housings	Repair	
4.0 Slider / Extender Assemblies (if applicable)				
4.1	Adjustable axle assemblies (sliding subframes, sliding tandems) – all frames and components	Missing, unengaged or loose parts or fasteners including locking pins	Repair / Replace	
4.2	Adjustable chassis length assemblies (extension	Missing, unengaged or loose parts or fasteners including locking pins	Repair / Replace	

	mechanisms) – all frames and components			
4.3	Safety devices including locking pins, springs, linkages, indexing holes, front and rear stops, handles and retainers	Missing or cannot be engaged	Repair / Replace	
		Unattached or incapable of being attached	Repair / Replace	
		Cracked, broken corroded, distorted so as to render unfit for service	Repair / Replace	
		Cracked or inadequate welds	Repair	
		Worn, cracked, mis-placed, inadequate front or rear stops	Replace	
		Distorted index holes that do not properly retain the pins	Repair	
4.4	Brackets and guides supporting air and electric lines	Mechanism or placement is not in good working order possibly allowing chafe or crimping of lines when slider / extender is operated	Repair	
5.0 Brake System				
5.1	Service brakes	Absence of proper braking action on any chamber upon application of service brake	Determine cause and Repair / Replace as necessary to achieve proper braking	
		Missing brake or brake components	Replace	
5.2	Parking brakes	Absence of proper braking action upon actuation of parking (spring) brake control, including driveline hand-controlled parking brakes)	Determine cause and Repair / Replace as necessary to achieve proper braking	
5.3	All mechanical brake system components, including shoes, linings, pads, springs, anchor pins, spiders, cam shaft rollers, push rods, air chambers, slack adjusters and fasteners	Missing, loose, bent, broken, severely corroded, frozen, inoperable	Repair / replace	
5.4	Air lines including glad hands, tubing, hoses, valves and tanks.	Crimped, collapsed, broken	Repair / Replace	
		Any audible air leak	Repair / Replace	
		Cracks, breaks, twisting, damage by heat	Repair / Replace	
		Air hoses damaged through outer reinforcement ply	Replace	
	Air tanks	Air hoses that bulge or swell when air pressure is applied	Replace	
		Air hoses improperly joined	Repair	
		Bleed moisture from tank(s)	Bleed tanks	
5.5	ABS system if applicable	Malfunction lamp stays on over 5 seconds or comes on when chassis is moving	Repair	
		ABS malfunction lamp does not come on when air is first applied	Repair	
5.6	Air brake chambers	Audible leaks of any kind <i>Do not open or disassemble air brake chambers</i>	Repair / Replace	

5.7	Slack adjusters	Cracked, broken, seized, non-functional	Repair / Replace	
5.8	Brake linings	Excessive or uneven wear (lining thickness less than ¼” at any place)	Replace	
		Lining cracked more than 1/16” wide or 1-1/2” long	Replace	
		Lining separated from shoe by more than 1/16”, or not firmly attached	Replace	
		Lining saturated with oil, grease, or other fluids	Replace	
5.9	Brake drums	Visible external cracks and deep scoring	Replace	
		Missing portion or loose and in danger of falling away	Replace	
5.10	Brake adjustment	Any brake ¼” or more past the readjustment limit (of 2”) or any two brakes less than ¼” beyond the readjustment limit (of 2”)shall be cause for rejection. Stroke shall be measured with engine off and reservoir pressure of 80 to 90 psi with brakes fully applied.	Repair	
6.0 Electrical				
6.1	Lights	Any light or required lens that is inoperable or missing	Repair / Replace	
7.0 Tires, Rims, Spacers				
7.1	All tires	Any tire that is flat or has a noticeable (can be heard or felt) leak	Repair / Replace	
		Body ply material is visible through tread or sidewall	Replace	
		Tread depth is less than 2/32” at any place on a major tread groove	Replace	
		Any tread or sidewall separation	Replace	
		Any cut to tread or sidewall that exposes ply or belt material	Replace	
		Any visible blisters or knots	Replace	
		Any contact “kissing” of outer and inner tires	Repair / Replace	
		Any tires over / under 85/90 psi pressure	Repair	
		Any tires mounted or inflated so that they contact each other or will contact the chassis frame or the container body	Repair	
		Any tire marked: “Not for highway use”	Replace	
		Any tire whose weight carrying capacity is limited due to under inflation	Inflate tire (applies to chassis with container loaded in place)	
7.2	Rims and/or rim rings	Cracked or broken	Replace	
		Elongated bolt holes	Replace	
		Mismatched rim / ring	Repair / Replace	
8.0 Wheel Group				
8.1	All wheel group	Loose or missing parts or fasteners	Repair / Replace	
8.2	Lock or side rings	Bent, broken, cracked, sprung	Repair / Replace	
		Improperly seated	Repair	
		Mismatched	Repair / Replace	
8.3	Wheels	Cracked or broken	Replace	
		Elongated bolt holes	Replace	
8.4	Fasteners	Broken, missing, cracked, stripped, loose, bent, mismatched or otherwise ineffective	Replace	

8.5	Welds attaching disc to rim if applicable	Cracked	Repair / Replace	
8.6	Welds attaching tubeless demountable rim to adapter if applicable	Cracked	Repair / Replace	
9.0 Suspension				
9.1	Spring hangers, equalizer, other spring / axle positioning parts	Cracked, broken, loose or missing	Repair / Replace	
		Severely corroded so as to affect service	Replace	
9.2	Spring seats and U-bolts	Cracked, broken, loose or missing	Repair / Replace	
9.3	Leaf spring assembly	Any broken main leaf	Replace	
		Any leaves broken or missing	Replace	
		One or more leaves displaced in a manner that could result in contact with a tire, rim, brake drum or frame	Repair / Replace	
9.4	Torque rods, radius or tracking components or any part used for attaching same to chassis frame or axle	Cracked, broken, loose, missing, includes cracked welds	Repair / Replace	
10.0 Miscellaneous Criteria				
10.1	Coupling devices such as pintle hook if applicable	Cracks	Replace	
		Welded repairs to pintle hook	Replace	
		Any part of pintle hook horn section reduced by more than 20%	Replace	
		Latch insecure	Repair	
10.2	Coupling devices such as pintle hook assembly mounting to frame if applicable	Missing, or ineffective fasteners	Replace	
		Mounting surface cracks extending from point of attachment	Repair / Replace	
		Loose mounting	Repair	
10.3	Coupling devices: frame crossmember attaching pintle hook if applicable	Cracked, or broken weld	Repair / Replace	
10.4	Conspicuity markings	Missing or poorly installed	Repair / Replace	
10.5	Safe loading	Any part of chassis such as a spare tire carrier that would permit the tire, load, dunnage, etc. to fall from chassis onto roadway	Repair	