

USFS Model 346

Inspection Form

UNIT DESIGNATION: _____ FS#: _____ EQUIPT DESIGNATION (E#): _____

CONTRACT #: _____ CONTRACTOR: _____

VIN: _____ TEST DRIVEN: Y N

MILEAGE: _____ FUEL LEVEL: _____

INSPECTED BY: _____ TITLE: _____

This inspection form represents a checklist designed to assist the Forest Service and Contractor in assuring the fire apparatus inspected is compliant with Forest Service national standard specifications. This form is not all-inclusive and should not be utilized as a solicitation document.

INSPECTOR: When applicable, each item as listed should be thoroughly examined and tested to ensure compliance. Check-marking of the item indicates that it is acceptable to the Government. Any deficiencies shall be documented in the notes section, with a **direct reference** to the object and item number.

CHASSIS SPECIFICATIONS

International 7400 Series, 4 door Crew Cab, 4X4, 37,000 GVWR

Contractor furnished: _____ Government furnished: _____

1. _____ 193" wheelbase
2. _____ 74" cab to axle
3. _____ front tow hooks

NOTES: _____

Date:

Model 346

FS#

4. _____ 20" front frame extension (length reduced as needed)
5. _____ dual air brake system
6. _____ exhaust system, vertical tailpipe and guard
7. _____ alternator, 12 VDC, 200 amp
8. _____ battery system, 3 1950 CCA, jump start stud remote mounted
9. _____ engine, diesel, 330 HP
10. _____ automatic Allison transmission
11. _____ 2 speed transfer case without PTO provision
12. _____ 70 gallon steel fuel tank
13. _____ spare tire

CHASSIS ELECTRICAL

1. _____ battery master switch, located on floorboard, driver's side BRAND: _____
2. _____ battery ON indicator switch
3. _____ ECM programming
4. _____ back-up alarm
5. _____ map light
6. _____ ground lights, 4" LED, 2 each side under chassis steps
7. _____ antenna bases (4)

NOTES: _____

TRAFFIC WARNING SYSTEMS

- 1. _____ electric siren
- 2. _____ speaker
- 3. _____ forward upper Zone A/B/D Light Bar, 55", mounted on cab roof

BRAND: _____

_____six (6) flashing LED modules, one at each corner, two forward-facing

_____two forward-facing **STEADY RED**

_____all red lenses

- 4. _____aft upper Zone B/D warning lights, 2 red LED, side-facing
- 5. _____upper Zone C warning light, 2 red LED, rear-facing; 1 amber LED, rear-facing on driver's side
- 6. _____lower Zone A warning lights, 2 red LED, cab grill, forward-facing
- 7. _____forward lower Zone B/D warning lights, 2 red LED, chassis tilt hood, side-facing
- 8. _____mid ship warning lights, 2 red LED, above wheel well, one each side
- 9. _____lower Zone C warning lights, 2 LED , rear-facing, housed with DOT lights
- 10. _____air horn, under hood, passenger's side
- 11. _____headlight flasher (Wig Wag)
- 12. _____wiring, secured and protected

NOTES: _____

CHASSIS ADDITIONS AND MODIFICATION

1. _____ label indicating apparatus fluid types and quantities
2. _____ seating capacity for 5
3. _____ seats, 3 SCBA seats (OPTION), BRAND: _____
4. _____ seat belts, red, 3-point on 4 outboard seats, 2-point lap belt for rear center
5. _____ seat belt warning label, visible from all seating positions
6. _____ vehicle height warning label, visible from driver’s seating position
7. _____ Final Stage Manufacturer Vehicle Certification, door jamb area
8. _____ noise hazard warning label, visible from all seating positions
9. _____ air filter ember protection screen warning label, visible from driver’s seating position
10. _____ cab console, center, steel, black, with:
 - _____ 2-1/2” discharge pressure gauge, 0-600 psi, backlit, BRAND _____
 - _____ mini display tank level gauge, BRAND _____
 - _____ electronic siren controller, BRAND _____
 - _____ map light
 - _____ 12V power outlets, 4

NOTES: _____

____ 3 switch panels, with 15 switches and pilot lights, numbered/function labeled:

- 1 – EMERGENCY MASTER
- 2 – LIGHT BAR
- 3 – WARN LIGHTS
- 4 – REAR AMBER
- 5 – WIG WAG
- 6 – HI/LO
- 7 – HORN/SIREN
- 8 – LEFT SCENE
- 9 – REAR SCENE
- 10 – RIGHT SCENE
- 11 – MAP LIGHT
- 12 – GROUND LIGHTS
- 13 – DIRECT LEFT
- 14 – CENTER OUT
- 15 – DIRECT RIGHT

- 11. ____ center console aft storage
- 12. ____ OEM grab handle, aft of rear cab door, driver’s side
- 13. ____ front tow hooks
- 14. ____ tow eyes, at rear, below rear step
- 15. ____ front bumper extension, covered with diamondplate, support bracing
- 16. ____ heat protective wrap, cab steps
- 17. ____ hose storage tray, dimensions: ____”L X ____”W X ____”D
- 18. ____ front fenders, rubber
- 19. ____ mud flaps, no logos
- 20. ____ chock block storage compartments
 - a. rear step ground clearance

NOTES: _____

- 21. _____ exhaust system
- 22. _____ vertical exhaust
- 23. _____ heat protection
- 24. _____ air lines, fuel lines ,electric harnesses protected
- 25. _____ cabin air ember guard
- 26. _____ transmission PTO

APPARATUS BODY

- 1. _____ body construction

framework of structural steel tubing
 compartments installed from interior and permanently attached by welding
 stainless steel fasteners
 no sharp edges
 structural seams fully seam welded
 other seams caulked

- 2. _____ body subframe

subframe of structural steel tubing
 crossmembers, 2" X 3"
 steel plate gussets

- 3. _____ body mounting

- 4. _____ drip moldings

- 5. _____ vertical surfaces, covered with polished aluminum tread

- 6. _____ grab handle, at rear on passenger's side, mounted vertically

- 7. _____ rear step, black dura-coat

NOTES: _____

- 8. _____ rear step warning label
- 9. _____ hose bed access ladder, pull-out, drop down step provided under bumper
- 10. _____ driver’s side compartments

- _____ forward of rear wheels, 37”W X 43”H X 14”D
- _____ forward of rear wheel, lower, 37”W X 6”H X 19”D
- _____ forward of rear wheel, foam system storage, 37”W X 10”H X 19”D
- _____ behind rear wheels, lower, 19.5”W X 24”H X 14”D
- _____ over rear wheels, forward, 38”W X 33”H X 14”D
- _____ over rear wheels, aft, 38”W (front)/34.5” W (rear) X 33”H X 25”D

- 11. _____ passenger’s side compartments

- _____ forward of rear wheels, 37”W X 54.5”H X 14”D (upper)/24.5”D (lower)
- _____ forward of rear wheel, lower hose storage, 37”W X 6”H X 24”D
- _____ behind rear wheels, lower, 19.5”W X 24”H X 14”D, vented
- _____ over rear wheels, forward, 38”W X 33”H X 14”D
- _____ over rear wheels, aft, 38”W (front)/34.5”W (rear) X 33”H X 25”D

- 12. _____ hose reel compartment, center rear, 40”W X 30”H X 27”D

- 13. _____ dunnage compartments, 2 accessible from top, 56”L X 11”W X 14”D

- 14. _____ compartments doors, aluminum overlap type, reflective striping

NOTES: _____

- 15. _____ door latches, hardware, hold open devices
- 16. _____ rear roll-up door
- 17. _____ compartment floor mats, except in foam pump compartment
- 18. _____ adjustable shelf channels
- 19. _____ tool bracket mounting channels
- 20. _____ weatherstripping
- 21. _____ compartment shelves, aluminum plate, 11 total
 - _____ 3 in driver’s side compartment forward of rear wheels
 - _____ 2 in each of the driver’s side compartments above the rear wheels
 - _____ 2 in each of the passenger’s side compartments above the rear wheels
- 22. _____ I-Zone brackets
- 23. _____ fenders and wheel wells
- 24. _____ SCBA spare bottle storage, 4 locking compartments in wheel well (OPTION)
- 25. _____ body scuff guards
- 26. _____ hose bed, above water tank, removable extruded aluminum slat floor
- 27. _____ hose bed dividers

NOTES: _____

- 28. _____ hose bed cover
 - _____ gas strut
 - _____ lift force to open cover does not exceed 60 lbs.
 - _____ 4 handrails, two 18" long, directly ahead of ladder, two 24" long, one on each cover
 - _____ black fabric flap at rear of each cover section, secured with straps & metal buckles
 - _____ 4 rope tie down brackets
 - _____ dura-coat non-skid surface
- 29. _____ stainless steel body trim
- 30. _____ hard suction hose storage, one each side of body
- 31. _____ rear cab step storage
- 32. _____ chainsaw bracket (OPTION)

PUMP AND PLUMBING

- 1. _____ pump, Hale Model CBP, pump serial # _____
 - _____ pump body
 - _____ impellers
 - _____ pump shaft
 - _____ drive unit construction

NOTES: _____

The pump shall be capable of delivering 200 GPM minimum at 300 PSI output pressure from a 5 ft. lift through 24 ft. of 3" suction hose with a strainer and also from the apparatus water tank when installed on the apparatus. This shall be measured through both the #19 and #3 rear discharges.

RPM	PSI	GPM
	Free Flow	
	150	
	300	
	400	

- 2. _____ PTO shift
- 3. _____ pump shift indicator lights
 - _____ "PUMP ENGAGED"
 - _____ "OK TO PUMP"
 - _____ "OK TO PUMP AND ROLL"
- 4. _____ rear mounted pump operator's panel
- 5. _____ pump/plumbing compartment, accessible through floor of hose reel compartment
- 6. _____ pump panel lights

NOTES: _____

VALVES, CONTROLS, GAUGES & PLUMBING

- 1. _____ on pump operator’s control panel
 - _____ pump performance acceptance test plate
 - _____ pump operator’s instruction plate
 - _____ test gauge connections
 - _____ pump panel labeling
 - _____ master discharge pressure gauge, 4-1/2”, 0-600 PSI, backlit
 - _____ master intake pressure gauge, 4-1/2”, 30-0-150 PSI, backlit
 - _____ master drain, manually operated
 - _____ engine status center
 - _____ remote throttle control
 - _____ automatic pump override
 - _____ water tank level sight gauge
 - _____ water tank level electronic gauges
 - _____ foam tank level gauge
- 2. _____ pump cooler/by-pass line
- 3. _____ gauge drains, behind pump panel
- 4. _____ pressure gauge access door

NOTES: _____

- 5. _____ in-cab gauge, 2-1/2", 0-600 PSI, backlit
- 6. _____ priming pump
- 7. _____ pressure relief valve
- 8. _____ discharge location:
 - _____ 2-1/2" #19 water only, at rear
 - _____ 1-1/2", #3, plumbed to foam system, driver's side between cab and body
 - _____ 1-1/2", #3, plumbed to foam system, passenger's side between cab and body
 - _____ 1-1/2", #3, plumbed to foam system, passenger's side, front bumper
 - _____ 1-1/2" to isolate mid-passenger's side & front bumper discharge piping
 - _____ two 1-1/2", #3, with 2" plumbing & 1'1/2" valves, with foam, at rear
- 9. _____ intake location:
 - _____ 3", #8, at rear, terminating with NSTM fitting
- 10. _____ brass caps and chains
- 11. _____ tank fill
- 12. _____ tank to pump line, 3", labeled #1
- 13. _____ direct tank fill/drain, 1-1/2", labeled #13, 1-1/2" NSTM adapter, 1-1/2" NSTF cap
- 14. _____ back back fill, 3/4" GHT bib type fitting
- 15. _____ check valves, #2, #17, #19, drains for winterization

NOTES: _____

- 16. _____ hose reel, BRAND _____, inlet valve labeled #4
- 17. _____ foam proportioning system
- 18. _____ foam upload system, 3-way valve to select "tank fill," "flush," "switch off"

WATER TANK

- 1. _____ construction
 - _____ material, polypropylene
 - _____ lifting eyes on top of tank
 - _____ combination vent and manual fill tower
 - _____ sump
 - _____ tank outlets
- 2. _____ clean out plug
- 3. _____ tank capacity, 600 gallons
- 4. _____ foam tank, 25 gallon capacity, fill tower lid labeled

NOTES: _____

BODY ELECTRICAL

- 1. _____ wiring loomed, color coded and function labeled at 6" intervals
- 2. _____ wiring securely fastened with metal clamps and nylon wire ties
- 3. _____ rear DOT lighting
 - _____ tail lights, brake lights
 - _____ turn signal lights
 - _____ back-up lights
- 4. _____ license plate bracket and light
- 5. _____ rear upper marker lights
- 6. _____ cluster/clearance lights and reflectors
 - _____ 3 red LED marker lights, at rear, below hose bed exit threshold
 - _____ 2 red LED marker lights, on vertical surface of rear step, side-facing
 - _____ 2 red reflectors, one each side, lower rear corner of compt doors, side-facing
 - _____ 2 red reflectors, one each side, lower corners, above rear step, rear-facing
 - _____ 2 amber reflectors, one each side, corners compt doors, forward compt. side-facing
- 7. _____ rear directional light bar, provided at rear, 39" wide, 14 lamps

NOTES: _____

- 8. _____ scene lights
 - _____ upper rear passenger’s side, rear-facing
 - _____ upper passenger’s side, centered front to rear, side-facing
 - _____ upper driver’s side, centered front to rear, side-facing

- 9. _____ compartment lights
 - _____ 4 each compartment, 2” diameter, 2 each side wall, one above shelf, one below
 - _____ one 4” diameter, recess mounted in the inside door panel, all compartments

- 10. _____ hose bed lighting, two 4” diameter, inside surface of hosebed cover, one each side

- 11. _____ electrical system performance test certification/documentation

NOTES: _____

APPARATUS FINISH

- 1. _____ compartment interiors, finish painted with Zolatone (Apollo Gray color)
- 2. _____ apparatus body color, Forest Service green
- 3. _____ striping
- 4. _____ lettering
 - _____ "FIRE" in stripe, 4" white
 - _____ unit & equipment designators, both sides, 8" white, above stripe
 - _____ at rear, "USDA," "FOREST SERVICE," 3" green
 - _____ at rear, "FIRE," unit & equipt designators in 4" green
 - _____ unit designator, passenger's side front bumper, 6" white
 - _____ equipment designator, driver's side front bumper, 6" white
 - _____ equipment designators on roof, 18" black
- 5. _____ Government furnished door decals
- 6. _____ truck identification plate

NOTES: _____

EQUIPMENT

- 1. _____ manuals and drawings
- 2. _____ road kit
 - _____ fire extinguisher
 - _____ set of warning triangle reflectors
- 3. _____ wheel chocks
- 4. _____ tool holders
- 5. _____ nozzle kit
 - _____ six 3/4" GHT
 - _____ seven 1" NPSH
 - _____ two 1-1/2" NPSH
 - _____ eleven 1-1/2" NH
 - _____ two 2-2/1" NH
 - _____ one 2-1/2" NH quick release

NOTES: _____

