

**This inspection form is to be used in conjunction with Optional Form 296**  
**ENGINE INSPECTION FORM PASS FAIL**

<b>Company Name:</b>		<b>Date of Inspection:</b>		Page 1 of 3
<b>Vehicle Id.#: (VIN#)</b>		<b>Odometer Reading:</b>		
NWCG Type Engine (3-6):		Tank Capacity (gallons)		
License #:		State:		
Make:	Model:	Year:		
<b>All Wheel Drive</b>		<b>Yes</b>	<b>No</b>	
<b>Markings Posted on Vehicle</b> (annotate actual postings)		<b>Yes</b>	<b>No</b>	
Company Name:				
Unit ID #:				
DOT #:				
<b>Vehicle Licensing</b>		<b>Satisfactory?</b>		
		<b>Yes</b>	<b>No</b>	
Vehicle meets licensing requirements, current registration				
Current DOT or CVSA inspection				
<b>Vehicle Weight</b>				
Manufacturers Gross Vehicle Weight:				
Manufacturers Front Axle Rating:				
Manufacturers Rear Axle Rating:				
Certified Front Axle, loaded weight:				
Certified Rear Axle, loaded weight:				
Certified Weight Ticket of loaded vehicle:				
<b>Minimum Engine Inventory</b>		<b>Yes</b>	<b>No</b>	<b>Qty</b>
1 - Live Hose Reel w/ minimum of 100' of 1" hose non-collapsible 3/4" inside Diameter				
1 1/2" Hose (see table for min. quantity)				
1" Hose (see table for min. quantity)				
3/4" Hose (see table for min. quantity)				
2 - Nozzles, comb fog/straight stream, 1 1/2" NH Female				
2- Nozzle, comb fog/straight stream, 1" NPSH Female				
2 - Nozzle, Adjustable 3/4" Garden Hose				
20" Suction hose with strainer or screened foot valve				
3 - Shovels, size "0"				
3 - Pulaskis				
1- Forestry, Fire Hose Clamp				
4 - Spanner wrenches, combination, 2 ea 1" & 1 1/2"				
1- Double Male 1 1/2" NH				
1- Double Female 1 1/2" NH				
1 - Double Male 1" NPSH				
1 - Double Female 1" NPSH				
2 - Gated Wyes, 1 1/2" NH				
2 - Gated Wyes 1" NPSH				
1 - Gated Wye 3/4" Garden Hose				
4 - Reducers, 1 1/2" NH Female to 1" NPSH Male				
1 - Reducer 1" NPSH to 3/4" Garden Hose				
2 - Adapters 1 1/2" NH Female to 1 1/2" NPSH Male				
2 - Adapters 1 1/2" NPSH Female to 1 1/2" NH Male				
1 - Mop-Up Wand 3/4" Receptor w/ 3/4" Nozzle Tip				
5 - Inline Ball Valves 3/4"				

**Engine Inspection Form (continued)**

<b>Company Name:</b>		<b>Date of Inspection:</b>		<b>Engine #</b>		
<b>Minimum Engine Inventory – continued</b>				<b>Yes</b>	<b>No</b>	<b>Qty</b>
2 – Backpack pumps						
1 Gallon Container for drinking water						
1 – First Aid Kit (5 person)						
3 – Headlamps w/Batteries and Hardhat Attachment						
10 – Fusee’s (fire starter)						
3 – Mill Bastard Files						
3 – Line Gear (Day Pack)						
<b>Specific Requirements</b>				<b>Yes</b>	<b>No</b>	<b>Qty</b>
1 ea. – Saw with fuel (3.0 cubic in. min w/18” bar, chaps, hearing protection gas/oil, and accessories (OSHA Approved Fuel Containers)						
2 ea. – Programmable Radio’s at least one must be hand held with 2 additional batteries & Programming Cable (Narrow Band Compliant)						
<b>Additional Vehicle Safety Items</b>						
Reflective Triangles, bi-directional, set of 3						
Fire Extinguisher, 1 rated at 10 B:C or better						
Chock Blocks 2						
Seat Belts for all Passengers						
Back up Alarm & back up lights						
<b>Personal Protective Equipment</b>				<b>Yes</b>	<b>No</b>	<b>Qty</b>
Fire Shelter	Nomex shirt/pants	Hardhat	Gloves		Boots	
<b>Pump Accessories (If Pump Powered by Auxiliary Engine)</b>				<b>Yes</b>	<b>No</b>	<b>Qty</b>
Wrench, Adjustable 10”						
Wrench, Spark Plug (Unless adjustable wrench is suitable)						
1 Pliers (Slip Joint)						
2 Qts. Crankcase Oil						
1 Screwdriver (Standard Blade)						
1 Screwdriver (Phillips)						
1 Spare Starter Rope (If Required)						
1 Grease Gun with Grease						
Spark Plugs (Sufficient to replace all plugs on auxiliary pump)						
<b>Compressed Air Foam System (CAFS)</b>				<b>Yes</b>	<b>No</b>	
Actual Compressor Rating (cubic feet per minute)						
<b>Foam Proportioner System (check one)</b>						
Fixed	Manual Adjustable	Automatic Adjustable	None			
Amount of foam carried on engine in gallons: (min. 5 gal.)						
<b>Water Tank Firmly Attached to Frame or structurally sound flat bed</b>				<b>Yes</b>	<b>No</b>	
1 ea 1 ½” discharge valve full flow, rapid shut off						
<b>Pump Type (check one)</b>		Auxiliary	PTO			
Actual Pump PSI		CHECK ONE: Acceptable Good Excellent				
				<b>Yes</b>	<b>No</b>	
Draft from 10 feet vertical through suction hose with foot valve						
Pump and roll capability						
Fuel to operate pump (min. 12 hours) in DOT approved container						
<b>Vehicle Tires</b>						
Tire load ratings in accordance with vehicle GVWR						
All season mud and snow tread with minimum 4/32” front 2/32” rear tread						
Vehicles with 4-wheel drive must have mud and snow tread on all wheels						
Full size spare tire and wheel with changing equipment that shall fit any position or a spare tire for front and rear axle. Min tread 4/32”						

**ENGINE INSPECTION FORM** (continued)

<b>Company Name:</b>	<b>Date of Inspection:</b>	<b>Engine #</b>
----------------------	----------------------------	-----------------

**Vehicle Condition**  
Glass (chips/cracks)

Body Condition (dents/scratches)

<b>Name of Contractor (type or print)</b>	<b>Signature of Contractor</b>	<b>Date</b>
-------------------------------------------	--------------------------------	-------------

<b>Name of Inspector (type or print)</b>	<b>Signature of Inspector</b>	<b>Date</b>
------------------------------------------	-------------------------------	-------------

<b>Inspectors' Agency</b>	<b>Inspectors' Phone #</b>
---------------------------	----------------------------

**Remarks: ( document all items that fail inspection)**

---



---



---



---

**Pressure and Flow Testing of Pumps – Refer to Exhibit J**  
Type 3 engines  
 Pressure with .716 diameter sharp edged orifice installed

- 250 to 312 psi is a rating of “Acceptable”
- 312.5 to 374 psi is a rating of “Good”
- 375 psi or more is a rating of “Excellent”

Type 4, 5, 6 engines  
 Pressure measured with a .520 diameter sharp edged orifice installed

- 100 psi to 124 psi is a rating of “Acceptable”
- 125 psi to 149 psi is a rating of “Good”
- 150 psi or more is a rating of “Excellent”

COMPONENTS	WILDLAND ENGINES – TABLE M.1			
	3	4	5	6
<b>PUMP RATING</b>				
Minimum flow (GPM)	150	50	50	50
@ Rated pressure (PSI)	250	100	100	100
<b>Tank Capacity (GAL)</b>				
MIN	500	750	400	150
MAX	1500	1500	749	399
<b>Hose (feet)</b>				
1 1/2 inch	1000	300	300	300
1 inch	500	300	300	300
¾ inch Garden Hose	300	300	300	300
Live Hose Reel ¾” ID	100	100	100	100
<b>Pump and Roll</b>	Yes	Yes	Yes	Yes
<b>Foam Proportioner System</b>	Yes	No	No	No
<b>Maximum GVWR (lbs.)</b>	-	-	26,000	19,500
<b>Personnel Required</b>	3	3	3	3

**CHAINSAW AND CHAINSAW KIT INSPECTION CHECKLIST**  
**(Wildland Engines Only)**

(Minimum Engine Power required is 3.0 cubic inches)

MANUFACTURER \_\_\_\_\_

Model Number: \_\_\_\_\_ Serial Number: \_\_\_\_\_

<b>CHAINSAW:</b>	YES	NO
No Visible parts broken		
All visible nuts and bolts tight		
Oil in chain oil reservoir		
Proper Exhaust system and spark arrester		
Started and checked the engine, idles evenly, runs smoothly, satisfactory power; on/off kill switch works		
Guide Bar is at the minimum of 18 inches and not bent or damaged		
Pull rope functions properly		
Chain brake works properly		
<b>CHAINSAW KIT:</b>		
1 CHAINSAW KIT BAG OR BOX TO STORE COMPLEMENT		
1 Combination Bar/ Sparkplug wrench		
1 SPARE SPARK PLUG to fit saw		
1 PINT OF SPARE ENGINE OIL FOR ENGINE FUEL MIXTURE		
1 PAIR OF WRAP AROUND LEG SAFETY CHAPS – OSHA APPROVED		
1 EXTRA CHAIN TO FIT SAW-BAR COMBO		
1 CHAIN FILE		
1 FELLING AXE		
1 FELLING WEDGE		
1 - OSHA APPROVED FUEL CONTAINER TO HOLD CHAINSAW FUEL AND GUIDE BAR OIL PROPERLY SECURED ON VEHICLE		
2 SETS EAR PLUGS		

**Contractor is required to have both the chainsaw and the OSHA approved containers full of proper fuel mixture and oil at the time of the pre-award inspection.**