

**NATIONAL WILDLAND FIRE ENGINE
PRE-SEASON AND INITIAL INSPECTION FORM**

STATION	1	2	3	4	5
√ PASS					
√ FAIL					

SIGNED _____

ENGINE MEETS ALL REQUIREMENTS FOR AWARD CONSIDERATION: YES _____ NO _____

SIGNED _____ DATE _____

RE-INSPECTION: (Scheduled at the discretion of the government)

ENGINE MEETS ALL REQUIREMENTS FOR AWARD CONSIDERATION: YES _____ NO _____

DATE _____ TIME: _____ INSPECTOR: _____

REMARKS _____

CONTRACTOR: _____ DATE _____

GOVERNMENT REPRESENTATIVE _____ DATE _____

INSPECTION LOCATION _____

AGENCY _____

CONTRACTOR AND INSPECTOR SHOULD RETAIN COPY OF THIS INSPECTION FORM

INSPECTOR WILL SUBMIT ORIGINAL OF THIS INSPECTION FORM TO:

USDA FOREST SERVICE
NATIONAL INTERAGENCY FIRE CENTER
ATTENTION: JAN McCLUSKEY, NIFC, FS, WO-AQM
3833 S. DEVELOPMENT AVENUE
BOISE, IDAHO 83705-5354

NATIONAL WILDLAND FIRE ENGINE PRE-SEASON AND INITIAL INSPECTION FORM

STATION 1

INSPECTOR _____ ASSISTANT _____

CONTRACTOR NCE# _____

HOST UNIT _____

CONTRACTOR _____ PHONE NUMBER _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

ICS ENGINE TYPE (3-6) _____ VIN NUMBER _____ LICENSE NO _____

YEAR _____ MAKE _____ MODEL _____ 4X4 _____ 6X6 _____ MILEAGE _____

TYPE OF PUMP: PTO _____ AUX _____ SERIAL NO _____ TANK SIZE _____ GALLONS _____

MAKE _____ MODEL _____ RATED CAPACITY (GPM) _____

ENGINE MEETS LICENSING REQUIREMENTS: YES _____ NO _____ REGISTERED WEIGHT _____

OPERATOR MEETS LICENSING REQUIREMENTS: YES _____ NO _____ USDOT NO. _____

LICENSE NO: _____ CDL _____ MEDICAL CARD _____

STATION 2

INSPECTOR _____ ASSISTANT _____

ENGINE WEIGHT

INSPECTOR _____

1. MANUFACTURES GROSS VEHICLE WEIGHT _____

2. FRONT AXLE RATING _____ FULLY LOADED WEIGHT _____

3. REAR AXLE RATING _____ FULLY LOADED WEIGHT _____

4. CERTIFIED WEIGHT TICKET OF FULLY LOADED VEHICLE _____ LBS

(NOTE: ENGINE WILL BE WEIGHED FULLY LOADED - WITHOUT OPERATOR FILLERS, SPACERS, OR OVER FLOW DEVICES IN TANKS ARE NOT PERMITTED)

*ADDITIONAL WEIGHT TO BE FACTORED IN TOTAL GVW:

5. Type 3 – 6 Engine Boss + 2 crew people (750 LBS) _____ 750 _____ LBS

6. ADDITIONAL CREW PERSON – WEIGHT FULLY EQUIPPED @250 LBS (If Applicable) _____ LBS

7. ADDITIONAL FUEL TO OPERATE PUMP AND ENGINE FOR 12 HOURS (MIN. 5 GALLONS) _____ LBS

8. FOAM: IF ENGINE HAS FOAM CAPABILITIES (MIN. 5 GALLONS) _____ LBS

9. TOTAL ADDITIONAL WEIGHT TO BE ADDED TO FULLY LOADED WEIGHT OF VEHICLE (5 thru 9) _____ LBS

10. ADJUSTED GROSS VEHICLE WEIGHT (4+9) _____ TOTAL _____ LBS

MANUFACTURES GVW (1) GREATER THAN ADJUSTED GVW (10) YES _____ NO _____ AMOUNT _____ LBS

NATIONAL WILDLAND FIRE ENGINE PRE-SEASON AND INITIAL INSPECTION FORM (CONT.)

STATION 3

INSPECTOR _____ ASSISTANT _____

ACCESSORIES:(IF PUMP POWERED BY AUXILIARY ENGINE)

	YES	NO	INSPECTOR
WRENCH (adjustable) 10"			
WRENCH (spark plug) (Unless adjustable wrench is suitable for use on spark plugs)			
1 PLIERS (slip joint) 6"			
2 QUARTS CRANKCASE OIL (If Engine requires Crankcase Oil)			
1 SCREWDRIVER (blade type) 4"			
1 SCREWDRIVER (Phillips) 4"			
2 STARTER ROPES			
1 GREASE GUN WITH GREASE			
SPARK PLUGS (sufficient number to replace all plugs)			
MINIMUM ENGINE INVENTORY			
4 NOZZLES: COMBINATION FOG/STRAIGHT STREAM 1"			
24' SUCTION HOSE WITH STRAINER OR SCREENED FT. VALVE			
2 SHOVELS, SIZE 0			
2 PULASKIS			
1 FIRE HOSE CLAMP			
2 SPANNER WRENCHES – Combination, 2 each 1'-1½"			
1 LIVE REEL/200' HARD RUBBER HOSE OR 1 LIVE HOSE BASKET, 200' FJRL HOSE (MINIMUM 1" Inside Diameter)			
1 DOUBLE MALE 1 ½" NH			
1 DOUBLE FEMALE 1 ½"NH			
1 DOUBLE MALE 1" NPSH			
1 DOUBLE FEMALE 1" NPSH			
4 GATED WYES, 1 ½"NH			
REDUCERS, 4 EACH 1 ½" NH FEMALE TO 1" NPSH MALE			
2 ADAPTERS ¼ TURN TO 1 ½"NH (1 FEMALE and 1 MALE)			
2 ADAPTERS ¼ TURN TO 1" NH (1 FEMALE and 1 MALE)			
2 ADAPTERS 1 ½"NH FEMALE TO 1 ½" NPSH MALE			
2 ADAPTERS 1 ½" NPSH FEMALE TO 1 ½"NH MALE			
2 BACKPACK PUMPS			
1 GALLON CONTAINER FOR DRINKING WATER			
1 FIRST AID KIT (5-person)			
3 HEADLAMPS WITH BATTERIES and HARDHAT ATTACHMENT (1 PER PERSON)			
REFLECTORS (1 set of 3)			
FIRE EXTINGUISHER (4-B:C or better)			
WHEEL CHOCKS			
2 PROGRAMMABLE RADIOS WITH BATTERIES/PROGRAMMING CABLES and SOFTWARE (if required) ONE RADIO MUST BE HAND HELD			
FUEL TO OPERATE PUMP AND ENGINE FOR 12 HOURS (minimum 5 gallons)			
1 CHAIN SAW (3.75 cubic In. min.) W/24" BAR, chaps, hearing protection, gas/oil AND ACCESSORIES			
RECOMMENDED ADDITIONAL ENGINE INVENTORY			
DRIP TORCH			
BOLT CUTTERS – Minimum 18"			
BELT WEATHER KIT			
SCENE WORK LIGHT			
GPS UNIT			
PERSONAL PROTECTIVE EQUIPMENT			
FIRE SHELTERS (1 per person) NFPA APPROVED*			
1 CANTEEN-1QT. MINIMUM PER PERSON*			
BOOTS, LEATHER LACE UP WITH LUG SOLE, 8" TOPS			
HARDHAT (w/chin strap), PLASTIC 1 PER PERSON OSHA APPROVED			
GLOVES, LEATHER, 1 PAIR PER PERSON			
EYE PROTECTION: One Pair per person (Meets Standards ANSI Z87 Latest Edition)			
FLAME RESISTANT CLOTHING (shirt & trousers, 2 sets for each person)			

*DESIGNATES PPE THAT WILL BE INSPECTED AT INITIAL AND PRE-SEASON INSPECTION

NATIONAL WILDLAND FIRE ENGINE PRE-SEASON AND INITIAL INSPECTION FORM (CONT.)

STATION 4

INSPECTOR _____ ASSISTANT _____

ENGINE INSPECTION CHECKLIST

	Yes	No	Inspector
TIRE LOAD RATINGS IN ACCORDANCE WITH VEHICLE GVWR			
ALL SEASON M&S TREAD WITH MINIMUM 3/32" TREAD			
ENGINE WITH 4 WHEEL DRIVE – M&S TIRES ON ALL WHEELS			
ENGINE WITH 6 WHEEL DRIVE – M&S TIRES ON ALL WHEELS			
FULL SIZE SPARE TIRE AND WHEEL WITH MINIMUM 3/32" TREAD			
LIGHTS AND TURNING SIGNALS MUST BE IN WORKING ORDER.			
BUMPER/REAR END PROTECTION AS REQUIRED (Federal Motor Carrier Safety Regulation 393.86)			

ENGINE COMPARTMENT

COOLING SYSTEM. CHECK RADIATOR AND HOSES.			
ENGINE. CHECK FOR KNOCKS AND LEAKS.			
BATTERY. CHECK FOR CORROSION ON TERMINALS			
OIL LEVEL AND CONDITION. CLEAN AND FULL.			

VEHICLE CAB

SEAT BELTS FOR ALL OCCUPANTS.			
BACKUP ALARM IN WORKING ORDER. 102 DECIBEL OR HIGHER			
STEERING, OVER 3" PLAY, CHECK TIE ROD ENDS, CHECK LINKAGE			
CLUTCH. PROPER ADJUSTMENT, 3/4" FREE TRAVEL			
BRAKES, FOOT AND HAND, MUST HOLD FIRM.			
GAUGES MUST BE IN WORKING ORDER.			
HORN MUST BE IN WORKING ORDER.			
MIRRORS MUST BE IN WORKING ORDER.			
WASHERS & WIPERS MUST BE IN WORKING ORDER.			

UNDER CARRIAGE

TRANSMISSION. CHECK FOR LEAKS.			
DRIVE LINE & DIFFERENTIAL & TRANSFER CASE. CHECK FOR LEAKS AND LOOSENESS.			
4 WHEEL DRIVE. CHECK GEAR BOXES, LEAKS.			
SPRINGS – SHOCKS. CHECK HANGERS - FRAME FOR CRACKS/OVERLOADS AND PADS.			
LUBRICATION. DRY FITTINGS.			
EXHAUST SYSTEM. CHECK FOR LEAKS.			
FUEL SYSTEM. CHECK FOR LEAKS. FULL TANK OF FUEL.			
WATER TANK SECURELY ATTACHED TO FRAME OR BED OF TRUCK. BAFFLED			

ENGINE CONDITION

GLASS (CHIPS/CRACKS) – BODY CONDITION (DENTS/SCRATCHES) – BUMPERS (SECURE)

NATIONAL WILDLAND FIRE ENGINE PRE-SEASON AND INITIAL INSPECTION FORM (CONT.)

STATION 5

INSPECTOR _____ ASSISTANT _____

SPECIFIC REQUIREMENTS

HOSE

1½"NH VALVE, DISCHARGE VALVES ARE FULL FLOW RAPID SHUT OFF: YES _____ NO _____

HOSE, 1½" I.D. AS REQUIRED IN TABLE F.1 _____ FEET

HOSE, 1" I.D. AS REQUIRED IN TABLE F.1 _____ FEET

PROPORTIONING SYSTEM

FOAM PROPORTIONER SYSTEM OPERATIONAL YES _____ NO _____

AMOUNT OF FOAM CARRIED ON ENGINE (MINIMUM 5 GALLONS) _____ GALLONS

CAFS SYTEM

COMPRESSED AIR FOAM SYSTEM OPERATIONAL YES _____ NO _____

COMPRESSOR RATING _____ CUBIC FEET PER MINUTE

AMOUNT OF FOAM CARRIED ON ENGINE (MINIMUM 5 GALLONS) _____ GALLONS

WATER TANK

TANK CAPACITY _____ GALLONS

TANK CAPACITY DOES NOT EXCEED MAXIMUM GALLONS

TYPE 3-4 (1500 GALLONS) TYPE 5 (750 GALLONS) TYPE 6 (400 GALLONS)

PUMP

PUMP SHALL MEET MINIMUM PUMPING CAPABILITIES FOR ENGINE SIZE AS DESIGNATED IN TABLE F.1:

YES _____ NO _____ GPM RATING _____

PRESSURE KILL SWITCH (auxiliary pump) OPERATIONAL YES _____ NO _____

PUMP AND ROLL CAPABILITIES: YES _____ NO _____

DRAFTING

DRAFT WATER THROUGH AN OVERBOARD SUCTION CONNECTION FROM WATER SOURCE 10' VERTICAL DISTANCE BELOW THE PUMP HEAD THROUGH THE REQUIRED SUCTION HOSE:

YES _____ NO _____

(OR) PORTABLE PUMP CAPABLE OF FILLING ENGINE IN A REASONABLE AMOUNT OF TIME MAY BE SUBSTITUTED: YES _____ NO _____

COMPONENTS	WILDLAND ENGINES – TABLE F.1			
	3	4	5	6
PUMP RATING				
Minimum flow (GPM)	150	50	50	30
At Rated pressure (PSI)	250	100	100	100
Tank Capacity Range (GAL)	500+	750+	400-750	150-400
Hose (feet)				
2 1/2 inch	-	-	-	-
1 1/2 inch	500	300	300	300
1 inch	500	300	300	300
Personnel Required	3	3	3	3

METHOD OF TESTING ENGINES				
COMPONENTS	3	4	5	6
GPM	150	50	50	30
TIP		1/2"	3/8"	3/8"
PSI (NOZZLE)		100	100	100

WILDLAND FIRE ENGINE INCIDENT INSPECTION FORM

CONTRACTOR: (Including NCE #)		CONTRACT NO:		RESOURCE ORDER NO: E -		DATE:	
INCIDENT NAME:		INCIDENT NO:		ENGINE VIN NUMBER:			
POINT OF HIRE:		ENGINE TYPE:		GALLONS:		\$ RATE:	
ENGB-OPERATOR ID CARD:		DRIVER LICENSE NO:		CDL LICENSE NO:		MEDICAL CARD:	
Name:							
FFT1 OR FFT2 ID CARD:		DRIVER LICENSE NO:		CDL LICENSE NO:		MEDICAL CARD:	
Name:							
FFT1 OR FFT2 ID CARD:		DRIVER LICENSE NO:		CDL LICENSE NO:		MEDICAL CARD:	
Name:							
ACCESSORIES: (IF PUMP POWERED BY AUXILIARY ENGINE)				PRE-USE		RELEASE	
EQUIPMENT MANIFEST will be posted inside compartment box or be visible when box is open.				YES		NO	
				YES		NO	
WRENCH (adjustable) 10"							
WRENCH (spark plug) (Unless Adjustable Wrench is suitable for use on Spark Plugs)							
1 PLIERS (slip joint) 6"							
2 QUARTS CRANKCASE OIL (If Engine requires Crankcase Oil)							
1 SCREWDRIVER (blade type) 4" & 1 SCREWDRIVER (Phillips) 4"							
2 ROPE STARTERS (If Engine can be started with a Rope)							
1 GREASE GUN WITH GREASE (If Pump requires periodic Greasing)							
SPARK PLUGS (sufficient number to replace all plugs)							
MINIMUM ENGINE INVENTORY (Stored On Or Near The Pump In Compartment Or Box)							
4 NOZZLES: COMBINATION FOG/STRAIGHT STREAM 1"							
24' SUCTION HOSE WITH STRAINER OR SCREENED FT. VALVE							
2 SHOVELS, SIZE 0							
2 PULASKIES							
2 SPANNER WRENCHES: COMBINATION 1" to 1 1/2"							
4 GATED WYES, 1 1/2" NH							
REDUCERS, 4 EACH 1 1/2" NH FEMALE TO 1" NPSH MALE							
2 ADAPTERS, 1/4 TURN TO 1 1/2" NH (1 FEMALE and 1 MALE)							
2 ADAPTERS, 1/4 TURN TO 1" NH (1 FEMALE and 1 MALE)							
2 ADAPTERS, 1 1/2" NPSH FEMALE TO 1 1/2" NH MALE							
2 ADAPTERS, 1 1/2" NH FEMALE TO 1 1/2" NPSH MALE							
1 DOUBLE MALE 1" NPSH							
1 DOUBLE FEMALE 1" NPSH							
1 DOUBLE MALE 1 1/2" NH							
1 DOUBLE FEMALE 1 1/2" NH							
1 FIRE HOSE CLAMP							
2 BACKPACK PUMPS							
1 GALLON CONTAINER FOR DRINKING WATER (FILLED)							
1 FIRST AID KIT (5 PERSON)							
HEADLAMP WITH BATTERIES AND HARDHAT ATTACHMENT (1 PER PERSON)							
REFLECTORS (1 SET OF 3)							
FIRE EXTINGUISHER (4-B:C OR BETTER)							
WHEEL CHOCKS							
CHAINSAW – MINIMUM 24" BAR WITH CHAINSAW KIT							
FUEL TO OPERATE PUMP AND ENGINE FOR 12 HOURS (MINIMUM 5 GALLONS)							
1 1/2" NH VALVES, DISCHARGE VALVES ARE FULL FLOW RAPID SHUT OFF.							
LIVE REEL/200' HARD RUBBER HOSE MINIMUM 1"							
or LIVE HOSE BASKET/200' COTTON SYNTHETIC LINED HOSE (MINIMUM 1")							
HOSE: 1" AND 1 1/2" (TYPE 3 – 500' EACH) (TYPE 4 and 6 – 300' EACH)							
PROGRAMMABLE RADIO W/BATTERIES and CLONING CABLE (Required for National Engines)							
RADIO MAKE AND SERIAL NUMBER: MAKE: _____ SERIAL NO: _____							
HAND HELD PROGRAMMABLE RADIO W/BATTERIES & CLONING CABLE							
RADIO MAKE AND SERIAL NUMBER: MAKE: _____ SERIAL NO: _____							
DRIP TORCH (Recommended for National Contract Engines)							
BOLT CUTTERS Minimum 18" (Recommended for National Contract Engines)							
HYDRANT WRENCH and 2 1/2" NH to 1 1/2" NH REDUCER (Recommend for National Contract Engines)							
BELT WEATHER KIT (Recommended for National Contract Engines)							
SCENE WORK LIGHT – (Recommended for National Contract Engines)							
GPS UNIT (Recommended for National Contract Engines)							

PERSONAL PROTECTIVE EQUIPMENT (PER ENGINE CREWMEMBER)	PRE-USE		RELEASE	
	YES	NO	YES	NO
BOOTS: Leather, lace-up type. Minimum 8" High with Lug Soles. (Steel Toed Boots are Not Acceptable)				
HARDHAT: PLASTIC CLASS B- 1 PER PERSON MEETING NFPA STANDARD 1998 EDITION				
GLOVES: LEATHER - 1 PAIR PER PERSON				
EYE PROTECTION: One Pair (Meets Standards ANSI Z87 Latest Edition)				
HEARING PROTECTION: Use Hearing Protection whenever sound levels exceed 85 dB.				
HEADLAMP: With Batteries and Attachment for Hardhat.				
FLAME RESISTANT CLOTHING – 2 SETS PER PERSON (Shirt and Pants)				
CANTEEN: One-Quart size Canteen. Full of Water, One is Required, Two are Recommended.				
FIRE SHELTER: National Fire Protection Association (NFPA) Approved.				
FLAME RESISTANT CLOTHING (Shirt and Pants) Two Sets Per Firefighter.				
POWER SAW CHAPS (National Contract Engine) 1 Pair Per Sawyer				
ENGINE Safety Items – * Do Not Accept Until Corrected				
Tire Load Ratings In Accordance With Vehicle GVWR *				
All Season M&S Tread With Minimum 3/32" Tread *				
Engine With 4 or 6 Wheel Drive – M&S Tires On All Wheels *				
Full Size Spare Tire And Wheel With Minimum 3/32" Tread *				
Lights And Turning Signals Must Be In Working Order.				
Bumper/Rear End Protection As Required – Bumper Secure (Federal Motor Carrier Safety Reg.393.86)				
Cooling System. Check Radiator And Hoses.				
Engine – Check For Knocks And Leaks.				
Battery. Check For Corrosion On Terminals.				
Oil Level And Condition. Clean And Full.				
Seat Belts For All Occupants. *				
Backup Alarm In Working Order. 102 Decibel or Higher. *				
Steering Over 3" Play. Check Tie Rod Ends. Check Linkage. *				
Clutch Proper Adjustment, 3/4" Free Travel				
Brakes – Foot And Hand. Must Hold Firm. *				
Gauges Must Be In Working Order. *				
Horn Must Be In Working Order. *				
Mirrors Must Be In Working Order. *				
Washers And Wipers Must Be In Working Order. *				
Transmission. Check For leaks.				
Drive Line/Differential & Transfer Case. Check For Leaks And Looseness.				
4 Wheel Drive. Check Gear Boxes For Leaks.				
Springs And Shocks, Check Hangers, Check Frame For Cracks, Check Overloads. *				
Lubrication. Dry Fittings.				
Exhaust System. Check For Leaks. *				
Fuel System. Check For Leaks. Full Tank Of Fuel. *				
Baffled Water Tank Securely Attached To Frame Or Bed Of Truck. *				

Describe Body Condition Below: (Use Additional Page If Necessary) Glass (Chips/Cracks) – Body Condition (Dents/Scratches)

ATTACH CONTRACTOR EQUIPMENT MANIFEST LISTING ALL INVENTORY CARRIED ON ENGINE	
PRE-USE:	RELEASE:
	NO DAMAGE NO CLAIMS
DATE:	DATE:
INSPECTOR:	INSPECTOR:
HOME UNIT:	HOME UNIT:
PHONE NO:	PHONE NO:
CONTRACTOR REPRESENTATIVE:	CONTRACTOR REPRESENTATIVE:
TITLE:	TITLE:
PHONE NO:	PHONE NO: