



Kansas State Forest Service

Recommended Equipment on Kansas Wildland Fire Engines

Local = In District
T/F = Task Force
(In State Deployment out of district)
NWCG = Out of State Deployment

Category	Quantity	Item Description	Local	T/F	NWCG
Hose	1	Booster Hose (Hard) 100' 1 Inch	X	X	X
	2	Hard Suction Hose (1 ½") w/ foot valve <i>total length on engine = 20'</i>		X	X
	1	1 ½" Engine Protection Line (25')	X	X	X
	1	2 ½" Refill Hose (15')	X	X	X
	3	1 ½" NH (100') <i>total length on engine = 300'</i>		X	X
	3	1" NPSH (100') <i>total length on engine = 300'</i>		X	X
	6	¾" NH Garden Hose (50') <i>total length on engine = 300'</i>		X	X
Nozzle	2	Forester, 1" NPSH			X
	2	Adjustable, 1" NPSH	X	X	x
	2	Adjustable, 1 ½" NH		X	X
	2	Adjustable, ¾" Garden Hose		X	X
	1	Mop Up Wand (¾")			x
	1	Foam, air aspirated 1"			x
Reducers	4	1 ½" NH Female to 1" NPSH Male			X
	3	1" NPSH Female to ¾" NH Male			X
	1	1 ½" NH Female to 1" Male	X	X	X
	1	2 ½" NH Female to 1 ½" NH Male	X	X	X
Increasesers	1	¾" NH Female to 1" NPSH Male			X
	1	1" NPSH Female to 1 ½" NH Male			X
Adapters	2	1 ½" NH Female to 1 ½" NPSH Male			X
	2	1 ½" NPSH Female to 1 ½" NH Male			x
	1	1" NH Female to 1" NPSH Male			x
Tee	2	1" NPSH Female x 1" NPSH Male x 1" NPSH Male w/cap			X
	2	1 ½" NH Female x 1 ½" NH Male x 1" NPSH Male w/cap			x
	2	1 ½" NH Female x 1 ½" NH Male x 1" NPSH Male w/valve			X
Gated Wye	2	1 ½" NH		X	X
	2	1" NPSH		X	X
	4	¾" NH w/ball valves			x
Couplings	2	1 ½" NH, Double Female	x	X	X
	1	1 ½" NH, Double Male	X	X	X
	1	1" NPSH, Double Female		X	X
	1	1" NPSH, Double Male		X	X
Valves	1	1 ½" NH Female, Automatic Check and Bleeder			x
	1	1 ½" Shut Off, NH		X	x
	1	1" Shut Off, NPSH		X	X
	5	¾" NH Shut Off			X

Category	Quantity	Item Description	Local	T/F	NWCG
Misc. Pump Equipment	1	Hose Clamp, Forestry			X
	2	1 ½" Spanner Wrenches	X	X	x
	2	1" Spanner Wrenches	X	X	x
	2	Pin Lug Spanner Wrenches	X	X	X
	2+	Spare Gaskets (2 ½", 1 ½", 1", ¾")	X	X	X
	1	Hydrant Wrench	X	X	x
Auxiliary Pump	1	Discharge Pressure Gauge	X	X	X
	5 gals	Class A Foam		X	x
	1	Spare Spark Plug		X	x
	1	Spare Air Filter		X	x
	5 gals	Spare Pump Fuel		X	X
	1	Hand Primer and/or Collapsible Pail (manual priming)		X	X
	1	Antifreeze Spray Bottle for Winterizing Pump (seasonal)		X	x
	1	Hose Reel Crank	X	X	X
	1	Spare Pump Engine Oil		X	X
Fire Tools & Equipment	1	McLeod	X	X	X
	1	Combination Tool		X	X
	2	Shovels		X	x
	2	Pulaski's	X	X	x
	1	Rhino Tool		X	X
	1	Council Rake		X	X
	1	Flapper	X	X	X
	2	Backpack Pump Sprayers	X	X	X
	2	Drip Torches	X	X	x
	5 gals	Spare Torch Mix	X	X	x
	10 (+)	Fussee's		X	X
	1	Leaf Blower	X	X	X
	1	Chainsaw (min 18" bar) w/ Chaps	X	X	X
	1	Feeling Axe w/ Wedges	X	X	x
	1	Chainsaw Tool Kit (replacement parts), bar oil, spare fuel	X	X	X
General Engine Supplies	1	Fire Extinguisher	X	X	X
	1	Wheel Chocks	X	X	X
	1	First Aid Kit, Burn Kit, Body Fluids Barrier Kit	X	X	X
	1	Spare Tire		X	x
	1	Tow Chain or Cable	X	X	X
	1	Hydraulic Jack		X	X
	1	Lug Wrench		X	X
	1	Pliers, fence	X	X	X
	1	Bolt Cutters	X	X	x
	1	Tape, Duct		X	X

Category	Quantity	Item Description	Local	T/F	NWCG
General Engine Supplies	1	Toilet Paper		X	x
	1	Tape, Fiber		X	x
	1	Cooler or Ice Chest		X	x
	1	Food (48 hrs. self-sufficient)		X	X
	1	Water/Gatorade (48 hrs. self-sufficient)		x	X
	1	GPS Unit / Navigation Device (cellphone)		X	X
	1	Belt Weather Kit or Kestrel		X	X
	1	Binoculars		X	X
	1	Misc. Tool Kit (fix minor repairs)		X	X
	1	Pipe Wrench 14"		X	X
	1	Reflector Set	X	X	x
	1 (+)	Flagging, Pink (high visibility), hazard trees, water source		X	X
	1	Flashlight	X	X	X
Radio	1	Mobile	X	X	X
	1 (+)	Portable	X	X	X
	1 (+)	Spare Batteries for Portable Radios		X	x
		Special Radio Note: All Task Force / NWCG Units must have programmable VHF Radio 800 will not work out of state If operating 800 in state, make sure to have the state template programed into them to use out of district			
Vehicle Support	1	Fan Belt		X	X
	1	Spare Fuses		X	X
	1	Tire Pressure Gauge		X	x
	1	Jumper Cables		X	x
	1	Battery Terminal Cleaner		X	X
	1	Oil, Penetrating		X	x
	1	Spare Fluids (engine oil, transmission, brake fluid, power steering)		X	X
	1	Spare Air Filter		X	x
	5 (+)	Spare Engine Fuel		X	X
	1	Ice Scraper (seasonal)		X	X
	1	Misc. Cleaning Supplies (Windex, whisk brooms, wipes, paper towel)		X	X
	1	Trash Bags		X	x
Personal Gear Per Person	1	Head Lamp		X	X
	1	Helmet (hard hat)	X	X	X
	1	Goggles (eye protection)	X	X	X
	1	Gloves	X	X	X
	1	Nomex Shirt and Pants (non-bunker gear)	x	X	x
	1	Wildland Boots	x	X	X
	1	Fire Shelter			X
	1	Line Gear			X

Category	Quantity	Item Description	Local	T/F	NWCG
Special Equipment	1	ICS Forms		X	X
	1	Manifest (Crew / Task Force)		X	X
	1	Agency Purchase Card (fuel, food, hotels)		X	X
	1	Camping Gear (Tents, Sleeping Bags)		X	X
	1	Maps (out of area, electronic mapping device)		X	X
	1	CTR/Shift Ticket Books (document time, mileage, hours)		X	x
	1	Accident Forms		X	X
	1	Inventory List	X	X	x

National Standard on Wildland Engine Typing				
Components	Type 3	Type 4	Type 5	Type 6
Pump Rating				
Minimum Flow (GPM)	150	50	50	50
@ Rated Pressure (PSI)	250	100	100	100
Tank Capacity (gal)				
Minimum	500	250	400	150
Maximum	1500	1500	749	399
Hose (feet)				
1 ½ inch	1000	300	300	300
1 Inch	500	300	300	300
¾ inch (garden hose)	300	300	300	300
Live Reel Hose (3/4 inch ID)	100	100	100	100
Pump and Roll	Yes	Yes	Yes	Yes
Foam Proportioner System	Yes	Yes	Yes	Yes
Maximum GVWR (lbs.)	-	-	26,000	19,500
Personnel Required	3	3	3	3