



**Pilot Flying J Winter Blending Procedures  
2023-2024 season**

Pilot Flying J’s procedures for 2023 – 2024 winter additive blending are detailed below. This season, our primary winter diesel additive provider will be Lubrizol (Tellico brand).

**General Winter Procedures:**

**When the outside temperature drops to +15F or less,** Pilot Flying J will begin blending a single treatment of cold flow improvers.

**If the outside temperature is between +5F to -5F,** we will begin double treatments of cold flow improvers.

**If the outside temperature dips below -5F,** the fuel will be treated with double treatments of cold flow improver and 20% of No. 1 fuel or Kero. Should No. 1 fuel or Kero not be available, triple treatment of cold flow improver will be used.

All stores, except the cold weather locations listed below and stores in Illinois, Iowa and Minnesota, will receive treatment as needed. Treatment will continue until the temperature remains above +15F.

**“Cold Weather” Location Procedures:**

The following list of “cold weather” locations will follow the above general winter procedures. However, treatment will continue the entire winter season through March 1, 2024, regardless of outside air temperature.

**Includes the below locations:**

- All Colorado Stores
- All Massachusetts Stores
- All Michigan Stores
- All Nebraska Stores
- All New York Stores
- All North Dakota Stores
- All South Dakota Stores
- All Wisconsin Stores
- All Wyoming Stores

**Additionally Great Lakes area stores:**

Store Name	St	Store #	Store Name	St	Store #
Fremont	IN	29	Hebron	IN	653
Highland	IN	31	Bow	NH	896
South Bend	IN	35	Austinburg	OH	2
Valparaiso	IN	36	Austinburg	OH	694
Plymouth	IN	198	Avon	OH	4
Gary	IN	719	Perrysburg	OH	12
Burns Harbor	IN	445	Toledo	OH	15
Lowell	IN	448	Napoleon	OH	303
Lake Station	IN	650	Lake Township	OH	700
Lake Station	IN	1020	Erie	PA	311

**Illinois, Iowa and Minnesota Procedures:**

Once treatment at any locations in Illinois and Iowa begins, double treatment rates will continue through March 1, 2024, regardless of the outside air temperature while biodiesel is being blended.