



## Technical Data Sheet

Revised: 7/5/2018

### **HOT SHOT'S SECRET TBN BOOSTER** **Concentrated Oil Fortifier**

#### **Product Overview**

TBN Booster is the only fortified engine oil stabilizer that increases total base number (TBN) and viscosity by replenishing the detergents and dispersants that are naturally lost over time. When these detergent and dispersant additives are replenished, acidic conditions that corrode your engine will be effectively neutralized. Longer drain intervals are possible and even further extended with the use of our Frantz bypass filter kit. An oil analysis should be used to determine the proper treatment rate and schedule. TBN Booster is also infused with Hot Shot Secret's Patented FR3 nano technology that increases the lubrication and wear properties of the host oil. TBN Booster is a concentrated formula that contains 100% active ingredients of a CK-4 Additive Package, a TBN Booster and Hot Shot's Secret FR3 Friction Reducer.

#### **Applications and Uses**

TBN Booster is compatible with all diesel engines and can be used in conjunction with Hot Shot Secret's Diamond Series Engine Oils or any commercially available diesel engine oil (synthetic or conventional).

#### **Benefits**

- Increases total base number (TBN) up to 7 points
- Extends oil life and oil change interval
- Replenishes detergents and dispersants
- Increases viscosity and film strength
- Lowers oil consumption
- Improves aeration control
- Reduces friction and wear
- Increases lubricity
- Increases boundary layer protection
- Decreases oxidation that causes soot
- Decreases shearing
- Eliminates sludge



**Directions for Use** The treatment rate is variable, depending on the desired TBN increase, initial Total Base Number and the oil capacity of your engine. The following guide is included for common diesel pickup truck engines.

		TBN INCREASE						
ENGINE MODEL	CAPACITY QTS	1	2	3	4	5	6	7
CUMMINS	12	3 oz.	7 oz.	10 oz.	13 oz.	17 oz.	20 oz.	24 oz.
DURAMAX	10	3 oz.	6 oz.	8 oz.	11 oz.	14 oz.	17 oz.	20 oz.
POWER STROKE	15	4 oz.	8 oz.	12 oz.	17 oz.	21 oz.	25 oz.	30 oz.

(chart based on initial TBN of 5)

CAUTION: Do not overdose vehicles with a diesel particulate filter.

Formulated for use in diesel engines.

**Packaging** TBN Booster is available in:

- 1 quart bottle
- 1 quart 12-pack

**Typical Properties**

Property or Test	Result
Dynamic viscosity @ 0 °F, mPa·s	<500
Kinematic viscosity @ 104 °F, mm <sup>2</sup> /s	4.3-4.6
Flash point (open cup), °F	>496
Pour point, °F	-49
Appearance	Brown liquid

\*Information on oil analysis can be found on [hotshotsecret.com](http://hotshotsecret.com)

The Safety Data Sheet is available at <https://www.hotshotsecret.com/print-documents/>.