

# FUNCTIONAL FLUIDS

## Power Steering Fluid – Brake Fluid - Antifreeze

(07/31/2015 edition)

**Wolf's Head Power Steering Fluid** is a high quality formulation using highly refined base oils and select additives to provide year-round smooth and reliable performance. It provides optimum protection and service in power steering systems of both foreign and domestic vehicles. This fluid helps to control seal swelling and protects pump parts against wear while providing the proper frictional properties for optimum performance. It is designed to protect against wear, oxidation and corrosion as well as protecting against foaming, clogging and rust. It will not harm rubber hoses and stops power steering squeaks. This product is blended to mix with original equipment fluids. Some automobile manufacturers recommend use of power transmission-type fluids, such as DEXRON® III, MERCON®, and Type F. Check the owner's manual for correct fluid type.

| Typical Properties               | API Gravity | Lbs/gallon | Flash Point, °C. | Viscosity, cSt @100°C | Pour Point, °C |
|----------------------------------|-------------|------------|------------------|-----------------------|----------------|
| Wolf's Head Power Steering Fluid | 32.4        | 7.200      | 190              | 5.1                   | -10            |

**Wolf's Head Brake Fluid** performs a variety of very important functions in the braking systems. The fluid transmits the required power, minimize corrosion, lubricate, control proper seal swelling, and operate over a wide temperature range. Wolf's Head DOT 3 Premium Brake Fluid meets or exceeds the requirements of Federal Motor Vehicle Safety Standard (FMVSS) 116 DOT 3, SAE J1703 and ISO 4925. DOT 3 Brake Fluid features a minimum boiling point (ERBP) of 450 F, and helps prevent corrosion, improve seal life and properties, and controls viscosity over a wide temperature range. Application is any system which uses DOT 3 brake fluid. This fluid controls corrosion inhibitors and maintains proper seal longevity and performance. The DOT 3 fluid provides service over a very wide temperature range and is an enhanced fluid and may be used wherever DOT 3 fluids are recommended.

| Typical Properties | API Gravity | Lbs/gallon | Dry Boiling Point (ERBP), °F | Wet Boiling Point (ERBP), °F | Viscosity cSt @-40°C Max | Viscosity cSt @-100°C Min | pH  |
|--------------------|-------------|------------|------------------------------|------------------------------|--------------------------|---------------------------|-----|
| Dot 3 Brake Fluid  | 1.05        | 8.75       | 480                          | 290                          | 1500                     | 1.5                       | 9.7 |

\* ERBP = equilibrium reflux boiling point

**Wolf's Head Antifreeze and Summer Coolant** is a full strength ethylene glycol based antifreeze/coolant for all gasoline and diesel engine coolant systems, both passenger car and heavy-duty diesel applications. This product inhibits corrosion and scale build-up on all parts including aluminum. It helps prevent freeze-up in winter and boil over in summer high heat conditions. It is compatible with commonly used hose and gasket materials. Wolf's Head Antifreeze and Summer Coolant is formulated to meet or exceed the following specifications: Ford ESE-M97B44A/B; Cummins 90T8-4; Mack; Chrysler MS-7170; Detroit Diesel 7SE298; GM 1825M and GM 1899M; Kenworth R026-170-97; Peterbilt 8502.002; Freightliner 48-22880; White/GMC; ASTM D-3306, D-4985, D-4340; SAE J814, J1034, J1941; and Maintenance Council of American Trucking Association (ATA) RP 302B.

|                               | API Gravity | Lbs/gallon | Freezing Point   | Boiling Point (15lb Pressure cap)                                  | Color         | Water, %wt. |
|-------------------------------|-------------|------------|--|--|---------------|-------------|
| Antifreeze and Summer Coolant | 1.12        | 9.40       | -34 °F (50:50 H <sub>2</sub> O)<br>-70 °F (70:30 H <sub>2</sub> O) | 265 °F (50:50 H <sub>2</sub> O)<br>270 °F (60:40 H <sub>2</sub> O) | Yellow/ Green | 4.0         |

Consult your Wolf's Head District Manager for specific pack sizes and product availability.

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