

COMPONENTS

HiTEC[®] 7188

Antioxidant



Automotive and Industrial Lubricants and Greases

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Application

Automotive and industrial lubricants, including greases.

Key Performance Benefits

- Liquid antioxidant
- Ashless
- Extreme pressure (Grease)
- Low-activity sulfur protects copper

Recommended Dosage

HiTEC[®] 7188 treat rate for this antioxidant is typically 0.1% wt. to 0.5% wt., except for grease applications for which treat rate may vary from 0.5% wt. to 4% wt. Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

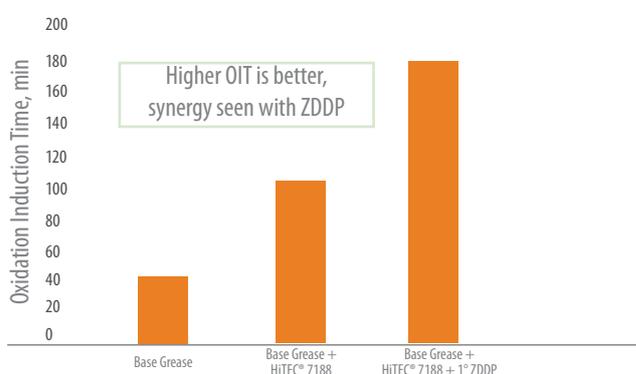
Appearance	Dark red-brown liquid
Density, lbs/gal.	7.41
Specific Gravity @15.6/15.6 C	0.89
Viscosity at 40°C, cSt	10-20
Flash Point, °C (PMCC)	150 min.
BS&W	0.05 max.
Color, ASTM 1500 DD	7.0 max.
Sulfur, % wt.	11.7 - 13.7

Handling Information

Max Handling Temp: 55°C (<24 hrs)
Shelf Life: 24 months @ 5°C min, 30°C max.

Lithium 12-OH Base Grease / Group I Base Oil HiTEC[®] 7188 at 2.2 wt % HiTEC[®] 7197G (1° ZDDP) at 0.8 wt %

Oxidation Stability, PDSC, ASTM D5483 (155°C, 500 psi, O₂)



4 Ball Weld Point, ASTM D2596 & 4 Ball Wear Protection, ASTM D2266 (40kg, 75°C, 1200 rpm, 1hr)

