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VANDERBILT Technical Data

VANLUBE® BHC

PHENOLIC ANTIOXIDANT

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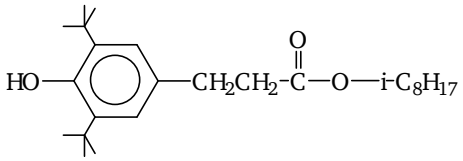
PHENOLIC ANTIOXIDANT



	Typical Properties
Composition:	Butylated hydroxy-hydrocinnamate
Physical State:	Yellowish liquid
Specific Gravity, 25°C	0.96
Viscosity at 40°C, mm^2/s	140
Ash content, %	< 0.1

VANLUBE BHC is an effective general-purpose, nonstaining, ashless antioxidant that provides excellent oxidative stability to a wide range of automotive and industrial lubricants. It has excellent solubility in mineral oil and non-conventional base stocks, and contains no diluents. It is easy to handle and will not crystallize at low temperatures like some commercial phenolic antioxidants.

VANLUBE BHC has low volatility and helps control oxidation and high temperature deposits/sludge. It is effective at concentrations of 0.1% to 2.0% and works well when combined with alkylated diphenylamines, molybdenum compounds, sulfur-containing antioxidants, or phosphites in many industrial oils and automotive lubricants, especially modern engine oils meeting the ILSAC GF-4 specification.

Figure 1

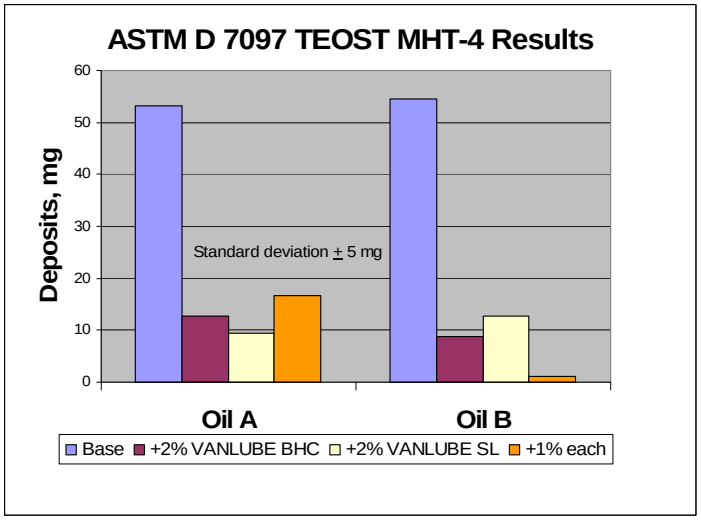
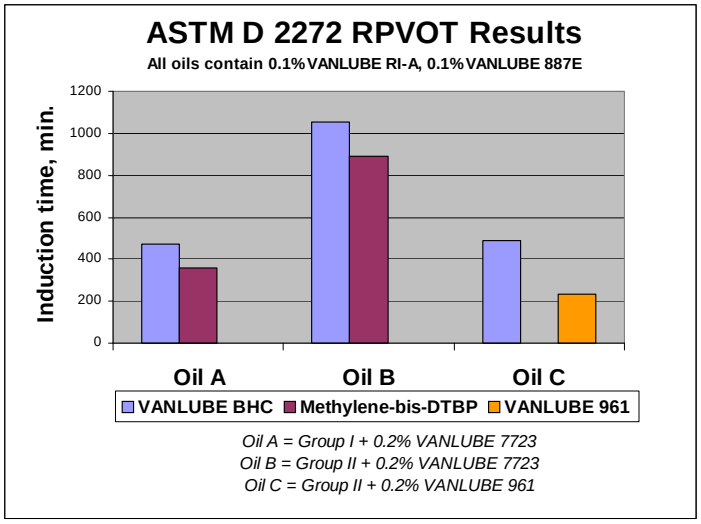


Figure 2



VANLUBE SL and VANLUBE 961 are alkylated diphenyamines; VANLUBE 7723 is methylene-bis- dibutyl-dithiocarbamate

Fig. 1 **VANLUBE BHC** controls deposits in TEOST MHT-4 as well as diphenylamine antioxidants.
Fig. 2 **VANLUBE BHC** boosts RPVOT induction time better than methylene-bis-2'6'-di-tert-butyl phenol.

08/07

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www.rtvanderbilt.com

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