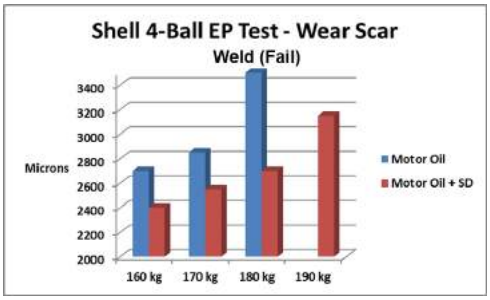
Technical Data Sheet

ADDITIVES
LUBRICANTS

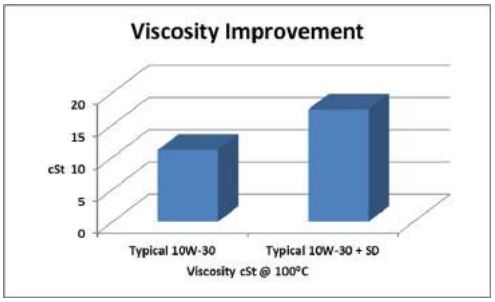
# Bardahl Special Duty (1532)

Modern gasoline and diesel engines contain hundreds of moving parts that must be separated by a film of lubricant. Wherever parts slide, rotate or move against each other there is the potential for friction and wear. The most important function of motor oil is to establish a filmthat prevents metal to metal contact. As engine parts wear mechanical efficiency and overall engine performance are reduced. Motor oils must minimize friction, prevent wear, remove heat, resist rust and corrosion of engine components and control deposit formation.

Bardahl Special Duty contains the world famous Bardahl Polar Attraction Formula which has proven anti-wear and anti-friction performance. Special Duty is formulated with high viscosity index paraffinic Group II base stocks to minimize volatility and oxidation while maximizing thermal stability. Special Duty contains extra dispersants to help minimize the potential for sludge formation in heavy duty diesel applications where soot accumulations in the oil can be a problem. Special Duty further boosts high temperature lubrication by incorporating a high efficiency polymeric viscosity modifier based on olefin co-polymer (OCP)technology. This viscosity modifier significantly increases the high temperature viscosity of the oil to insure adequate oil film strength even under the most severe operating conditions.



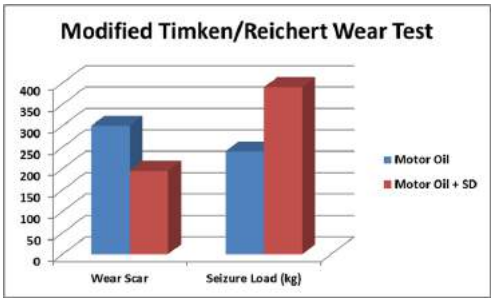

Bardahl Special Duty is a high viscosity oil supplement for hard working gasoline and diesel engines especially those operating in hot climates. Special Duty is particularly effective in reducing engine wear under "severe service" conditions such as stop and go urban driving, trailer towing, mountain driving, construction, mining, off-road operation, stationary engines and marine applications. Failure to use an oil that will provide adequate protection under these severe operating conditions will result in increased ring/cylinder and valve train wear, increased oil consumption and increased engine deposits.




Bardahl Special Duty's combination of high temperature viscosity and anti-wear additives form a protective film on cylinder walls that reduces oil consumption and blow-by. By increasing the viscosity of the crankcase oil Special Duty increases the oil pressure and prevents metal to metal contact in bearings and throughout the valve train. The Polar Attraction Formula reduces metal to metal friction and wear between piston rings and cylinder walls as well as in other areas where boundary lubrication is prevalent.

Diesel engines are particularly susceptible to soot build up in the oil especially those operating in heavy duty service. Soot in the blow-by gradually accumulates in the oil, consuming anti-wear agents and overwhelming the dispersants in regular motor leading to a build-up of sludge in oil passages, valve train and the crankcase. Bardahl Special Duty contains extra dispersant additives to boost the ability of the oil to suspend soot and other contaminants until they can be safely drained from the engine.

Bardahl Special Duty is an ideal product for use in hard working gasoline and diesel vehicles ranging from taxi cabs to stationary generators. Wherever engines are operated under "severe service" conditions, construction, mining, or marine applications Special Duty is the additive of choice to maximize protection and performance.




Product #: 1532
Size: 32oz.
Case Pack: 24x32oz.