

# DRYDENE RETRAPLEX DIAMOND BLUE™

ADVANCED WATER-RESISTANT POLYMER / LITHIUM COMPLEX GREASE



## PRODUCT DESCRIPTION

**Drydene Retraplex Diamond Blue™** takes heavy-duty grease to a new level; it performs best when operating conditions are at their worst. Featuring proprietary polymer chemistry, **Drydene Retraplex Diamond Blue** is engineered using select base oils that are blended with a water-resistant polymer system to promote adhesion and product stability. This system helps reduce oil bleed in service and coordinates with the thickening system to provide superior extreme pressure performance. **Retraplex Diamond Blue** also includes optimum levels of AW and EP performance additives to maintain a proper lubricating film in extreme conditions and protect ferrous and non-ferrous surfaces from corrosion in wet environments.

## APPLICATION

**Drydene Retraplex Diamond Blue** is designed for use in the toughest on-road and off-road conditions where frequent and/or prolonged exposure to water, debris contamination or extreme conditions may occur:

**Concrete and paving contractors** that regularly operate equipment in wet conditions over a seasonal range of temperatures where frequent cleaning is required

**Agriculture and forestry** implements that come into frequent contact with crops, dirt, gravel, dust and the elements which can build up on operating surfaces especially booms and buckets

**Sanitation and waste control vehicles** that require frequent greasing due to loading, exposure from a wide range of seasonal elements and contamination from waste materials

**Heavy-duty truck fleets** utilizing standard and extended-range drain intervals where scheduled maintenance cycles may not always occur at the same location or operating conditions

**Home builders and excavators** with mixed fleets that move from location to location on a regular basis in varied operating conditions, both wet and dry

**Drydene Retraplex Diamond Blue** is suitable for use in non sealed for life wheel bearings, chassis and general lubrication where superior performance from a single grease is desired.





## FEATURES AND BENEFITS

**Drydene Retraplex Diamond Blue** contains proprietary additive chemistry and resilient soap thickeners that greatly enhance its adhesive properties when exposed to water. The result is superior performance in applications where wet and humid conditions occur frequently:

- **Extremely low water sprayoff and water washout percentages** mean Diamond Blue stays in place and lubricates exceptionally well even when exposed to or submerged in water
- **Very high load wear index and weld point** which are key benchmarks for protecting greased surfaces from wear, scarring and deformation
- **Formulated to resist rusting and corrosion**, even in the presence of water and other contaminants that can affect metal surfaces
- **Outstanding roll stability and very low water absorption** helps keep Diamond Blue maintain its structure and consistency under loading and adverse conditions
- **Excellent tackiness and adhesion** without sacrificing pumpability or mobility even in cold operating conditions

Severe conditions can make typical greases vulnerable to thinning, softening, washout and reduced pumpability. **Drydene Retraplex Diamond Blue** is built to withstand the rigors of the elements and the harshest operating conditions.

## TYPICAL TECHNICAL PROPERTIES

	PROPERTY	TEST METHOD	RETRAPLEX DIAMOND BLUE
	NLGI Grade		2
	Thickener Type	ASTM D128	Lithium Complex
	Color/Appearance	Visual	Blue / Smooth / Very Tacky
	Penetration @ 77°F, 60 strokes	ASTM D217	288
	Dropping Point, °C/°F	ASTM D2265	250/482
	Base Oil Viscosity, cSt @ 40°C	ASTM D445	220
	Four Ball EP Weld Point, kg	ASTM D2596	620
	Four Ball EP Load Wear Index	ASTM D2596	101
	Four Ball Scar Wear, mm	ASTM D2266	0.41
	Timken OK Load	ASTM D2509	50
	Copper Corrosion	ASTM D4048	1a
	Rust Prevention	ASTM D1743	Pass
	Water Washout @ 79°C	ASTM D1264	1.8
	Water Sprayoff, %	ASTM D4049	9.0

This product is not expected to have any adverse health implications when used for its intended purposes. Always wear protective gloves when handling used oil and dispose of properly. Avoid contact with skin and wash immediately with soap and water should any contact occur. Always follow OEM recommendations for fluid viscosity and service category. Drydene Performance Products, Inc. assumes no responsibility for product misuse or improper application. For a copy of this product's Safety Data Sheet (SDS), visit <http://www.drydene.com/find-pds-sds>

