



# Pyroplex Blue

Ultimate Lubricant On Road and Off Road Where Water is Present

## Description

Castrol Pyroplex Blue is the ultimate lubricant for challenging on and off highway environments where water is present. Castrol Pyroplex Blue's unique multifunctional solid lubricant additive builds up tack and adhesion when exposed to water and humidity in saturated environments, while resisting softening and washing out. In high temperature environments, film strength is increased between metal surfaces, and the affinity for metal surfaces is enhanced. This produces a slippery physical barrier of protection. (Note: ASTM wheel-bearing life performance results on second page).

## Advantages

Castrol Pyroplex Blue delivers:

- Multifunctional use for both on and off road.
- Better adhesion with improved mobility.
- Increased tack and adhesion in the presence of water (note water spray-off).
- Enhanced extreme pressure and anti-wear performance (note four ball weld).
- Excellent high temperature performance (note drop point).
- GC-LB approved grease (#1 grade only)
- Superior rust and oxidation control.

Castrol Pyroplex Blue's Dependable performance under varying conditions reduces maintenance costs while extending equipment life. Castrol Pyroplex Blue's environmental impact is reduced through the non-utilization of Antimony, Barium, Lead, or Chlorinated Compounds.

## Typical Characteristics

Name	Method	Units	Pyroplex Blue 1	Pyroplex Blue 2
Appearance	Visual		Smooth-Tacky/Stringy	Smooth-Tacky/Stringy
Color			Blue	Blue
Thickener-Type			Lithium Complex	Lithium Complex
Penetration, Worked @ 77°F	D217		325	280
Dropping Point	D2265	°F	530	550
4-Ball EP Weld Point	D2596	kg	500	500
Load Wear Index	D2596		90	93
4-Ball Wear Scar	D2266	mm	0.33	0.39
Timken OK Load	D2509		60	60
Mobility, 77°F		g/Min	660	410
Mobility., 60°F		g/Min	300	170
Mobility., 40°F		g/Min	82	55

Name	Method	Units	Pyroplex Blue 1	Pyroplex Blue 2
Mobility, 20°F		g/Min	27	14
Mobility, 0°F		g/Min	6	2
Water Sprayoff @ 100°F	D4049	%	40	18
Base Oil Viscosity, SSU@100°F	D445	SSU	750	1150
Base Oil Viscosity, SSU@210°F	D445	SSU	75	115
Base Oil Viscosity, cSt@40°C	D445	cSt	114	247
Base Oil Viscosity, cSt@100°C	D445	cST	60	24
Rust Prevention	D1743		Pass	Pass
Wheel Bearing Life	D3527	hrs	225	240
Wheel Bearing Leakage	D4290	g	9.3	1.9
Oxidation Stability, @ 100 Hr, psi loss	D942		2	1
Copper Corrosion	D4048		1B	1B

\* Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.

## Additional Information

### Warranty and Protection Requirements

Exceeds all manufacturer's warranty requirements for applications requiring an AGMA EP, USS 224, or DIN 51524 part 3 type gear oil.

### Industry Specifications and OEM Approvals

Exceeds GC-LB (#1 grade)

Pyroplex Blue  
07 Oct 2013

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Wakefield Canada, Limited, 3620 Lakeshore Blvd West, Toronto, Ontario, Canada - M8W 1P2

Plant Office:3660 Lakeshore Blvd West , Toronto, ON M8W 1P2 -

Phone 1-800-268-5339 Fax 416-252-7315 Plant Office telephone: 1 800 268-5339 Trade: 1 888 CASTROL Consumer: 1 800 CASTROL Technical Inquiries: 1 800 462-0835

E-mail [info@wakefieldcanada.ca](mailto:info@wakefieldcanada.ca) Website [www.wakefieldcanada.ca](http://www.wakefieldcanada.ca) [www.castrol.com](http://www.castrol.com)