



## CASTROL PYROPLEX BLUE

**CASTROL PYROPLEX BLUE** is the ultimate lubricant for very wet and performance challenging on and off highway environments. **CASTROL PYROPLEX BLUE'S** unique multifunctional solid lubricant additive builds tack and adhesion when exposed to water saturated environments. When performance is challenged in the presence of water and humidity, **CASTROL PYROPLEX BLUE** not only resists softening and washing out, but grows in tack and adhesion with continued exposure. 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 reverse side).

**CASTROL PYROPLEX BLUE'S** enhanced load carrying ability is coupled with dramatic oxidative characteristics and high temperature structural stability for exceptional performance in heavily loaded bearings.

Features	Advantages	Benefits
Unique multifunctional, non staining solid film lubricant.	Better adhesion with improved mobility. Increased tack in the presence of water.	Optimal off-highway and industrial performance for equipment durability.
Enhanced extreme pressure and anti-wear performance.	Bearing life greatly improved.	Extended equipment life.
Lithium Complex.	Excellent shear stability and very stable at high temperatures. (Note: Drop Point.)	Dependable performance under varying conditions for reduced maintenance costs.

**CASTROL PYROPLEX BLUE'S** environmental impact is reduced through the non-utilization of Antimony, Barium, Lead, or Chlorinated Compounds.

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(Over)

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IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.™



## TYPICAL ANALYSIS

<b>Part Number</b>	<b>5377</b>	<b>5417</b>	<b>5517</b>
<b>NLGI Grade</b>	<b>0</b>	<b>1</b>	<b>2</b>
Thickener-Type	Lithium Complex	Lithium Complex	Lithium Complex
Color	Blue	Blue	Blue
Appearance	Smooth-Tacky/Stringy	Smooth-Tacky/Stringy	Smooth-Tacky/Stringy
Penetration (D-217) W60	380	318/316	278/275
Dropping Point °F.	520	530	550
4 Ball EP (D-2596) Weld Point	500 kg	500 kg	500 kg
LWI	65	90	93
4 Ball Scar-mm (D-2266)	0.50 mm	0.33 mm	0.39 mm
Timken OK Load (D-2509)	55	60	60
Pumpability - gsm/min			
@77°F.	5280	660	410
@60°F.	2800	300	170
@40°F.	1578	82	55
@20°F.	690	27	14
@ 0°F.	128	6	2
Water Spray-off (D-4049)		40.0	18.0
Base Oil Viscosity			
SSU @ 100° F.	400	750	1150
SSU @ 210° F.	56	75	115
cSt @ 40° C	86.3	161	247
cSt @ 100° C	9.0	14	24
Rust Prevention (D-1743)	Pass	Pass	Pass
Wheel Bearing Life (D-3527)		225 Typical (200 Hrs Min)	240 Typical (200 Hrs Min)
Wheel Bearing Leakage (D-4290)		3.0 g (5g Max)	1.5 g (5g Max)
Oxidation Stability (psi loss)(D-942)	2 @ 100 hours	2 @ 100 hours	1 @ 100 hours
Copper Corrosion	1b	1b	1b