



## Hyspin AWS 68 Blue Superclean

Hydraulic oil

### Description

Castrol Hyspin™ AWS 68 Blue Superclean hydraulic oil is based upon highly refined mineral oil enhanced with a stabilised zinc additive system, filtered to ISO 4406 - 16/14/11 (similar to NAS 6). Plus the product is dyed blue to avoid mixing errors, detect leaks easier and allows the oil levels to be monitored easier through oil level sight glasses.

### Application

Hyspin AWS has been specially formulated to provide good anti-wear and thermal stability performance using the very latest additive technology. The careful blend of additives with a high quality base stock ensures that Hyspin AWS has excellent hydrolytic and oxidative stability while exhibiting a minimal tendency to produce sludge and deposits. In addition, Hyspin AWS provides corrosion protection to ferrous and yellow metal components found within a hydraulic system. This range is designed for use in industrial hydraulic systems which require anti-wear protection. It is also suitable for other duties in which lubricants of high oxidation stability and lubrication performance are required, such as lightly loaded gears, variable speed units and bearings. The Hyspin AWS range is fully compatible with elastomer materials commonly used for static and dynamic seals, such as nitrile, silicone and fluorinated (e.g. Viton) polymers.

### Advantages

- Good thermal and oxidative stability leads to longer operating life, reduction in lubricant costs and minimises deposit formation giving a cleaner system.
- Excellent anti-wear performance gives wear protection and reduces downtime from unscheduled maintenance.
- Good filterability characteristics (including in the presence of water) enables cost savings to be made from increased filter life and reduced maintenance.
- Excellent water separation and hydrolytic stability means reduced down time through prolonged lubricant life and increased equipment reliability.
- Increased cleanliness for systems with very fine tolerances, for improved equipment life and equipment accuracy.
- Dyed blue to avoid mixing errors, detect leaks easier and allows the oil levels to be monitored easier through oil level sight glasses.

## Typical Characteristics

Name	Method	Units	AWS 68 Blue Superclean
Appearance	-	-	Blue clear fluid
ISO Viscosity Grade			68
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m <sup>3</sup>	880
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	68
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	8.6
Viscosity Index	ISO 2909 / ASTM D2270	-	> 95
Pour Point	ISO 3016 / ASTM D97	°C/°F	-21/-6
Foam Sequence I - tendency / stability	ISO 6247 / ASTM D892	ml/ml	10/0
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	225/ 437
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C/°F	220/ 428
Water Separation @ 54°C / 129°F (40/37/3)	ISO 6614 / ASTM D1401	min	15
Air Release @ 50°C / 122°F	ISO 9120 / ASTM D3427	min	8
FZG Gear Scuffing test - A/8.3/90	ISO 14635-1	Failure Load Stage	12
Rust test - distilled water (24 hrs)	ISO 7120 / ASTM D665A	-	Pass
Rust test - synthetic seawater (24 hrs)	ISO 7120 / ASTM D665B	-	Pass
Fluid Cleanliness	ISO 4406	-	16/14/11

Subject to usual manufacturing tolerances.

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