

Lubricants – Industrial oils

Version: 425/01

Valvoline™ Circulation Oil S220

Valvoline Circulation Oil S220 is a full synthetic ashless zinc-free circulation oil formulated to provide exceptional heat resistance, high natural viscosity index and high-performance protection against rust, foam, wear and oxidation.

Performance levels

ISO VG 220
FZG, DIN 51354: 12
Rust resistance test D 665 A & B: pass

Applications

The Valvoline Circulation S Oils are particularly suitable for bearings used in the latest high-output paper machines with operating temperatures over +95 °C and axial and radial loads. The oils can also be used for moderate severity hydraulic pumps, continuous service in plain and roller bearings, journal bearings, parallel shaft gearing, gear couplings and high temperature paper machine bearings.

Features & Benefits

Long life lubricant

The Valvoline Circulation S Oils are formulated with full synthetic base oils and specially selected additives to minimize oil breakdown and maximize oil life.

Superior protection

The Valvoline Circulation S Oils combine superior ashless zinc-free additives in synthetic PAO base oils to greatly enhanced rust and oxidation protection and thermal stability. In addition, the high viscosity index offers greater lubricant film thickness than the conventional circulation oils at high operation temperatures.

Water separation

The formulation of the Valvoline Circulation S Oils has excellent demulsibility properties which reduce the formation of emulsions in the system and allows easier removal of water.

Air separation

The excellent anti-foaming properties of the Valvoline Circulation S Oils help minimizing the amount of entrained air in the oils and preventing the formation of surface foam.

PRODUCT INFORMATION



Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit www.valvolineeurope.com

Typical properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline specifications, variations in these characteristics may occur.

Valvoline Circulation Oil S220	
Colour, ASTM D-1500	0,5
Viscosity, mm ² /s @ 100 °C. ASTM D-445	26,7
Viscosity, mm ² /s @ 40 °C. ASTM D-445	220
Viscosity Index ASTM D-2270	154
Pour Point, °C ASTM D-5949	-45
Specific Gravity @ 15.6°C. ASTM D-4052	0,843
Flash Point, COC, °C. ASTM D-92	230

This information only applies to products manufactured in the following location(s):
Europe

Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet <http://sds.valvoline.com>

Protect the environment

Take used oil to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.

Storage

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

Replaces –

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