

SPINDLE OIL

IPOL SPINDLE OILS

Description:

Spindles operating at high speeds are mostly found in the spinning and doubling frames of textile machinery and in the grinding machines of the engineering industry. High speed spindles have either plain or antifriction bearings.

The lubrication of these high speed bearings is very critical in the sense, that unless an oil of the right viscosity at the operating temperature is used, accelerated wear & tear and massive power consumption would take place.

Salient Features:

IPOL SPINDLE OILS are formulated with superior quality, hydro treated base stocks fortified with oxidation/ thermal stability additive package.

Application:

Specially recommended for high speed spindles of machine tools, plain or antifriction bearings of textile spindles.

- **IPOL SPINDLE OIL 2/5** has been primarily developed for the lubrication of high speed spindles of grinding machines with DN (mm x rpm) of 6,00,000 to 8,00,000.
- **IPOL SPINDLE OIL 10/12** are generally recommended for the spindle lubrication of normally loaded textile spinning and doubling frames. It meets IS:493-P+II/93 specifications.
- **IPOL SPINDLE OIL 15** is recommended for hydraulic application of precision machines and heavily loaded spindles of textile machinery operating at high ambient temperatures.
- **IPOL SPINDLE OIL 22** is recommended for use in worn out spindles to dampen the vibrations. It meets IS: 493-Part II/93 specifications.

Other applications include timing gears, positive displacement blowers and tracer mechanism and hydraulic systems of precision machine tools..

Product Data

Benefits:

- Very minimal consumption
- Adequate protection against rusting, even in the humid atmosphere.
- Over all economy to use.

Typical Results : IPOL Spindle Oils

Characteristics	Test Methods	Results					
		2	5	10	12	15	22
Appearance	Visual	B R I G H T & C L E A R					
Sp. Gravity @ 30°C	ASTM D 1298	0.810	0.815	0.821	0.826	0.828	0.850
Flash Point COC°C	ASTM D 92	90	130	144	150	150	180
Viscosity cSt at 40°C	ASTM D 445	2.4	5	10	12	15	22
Pour Point	ASTM D 97	(-)3	(-)6	(-)6	(-)6	(-)3	(-)3

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