

## Castrol Iloform FST 14

Chlorine free neat forming oil

### Description

Castrol Iloform™ FST 14 is a medium viscosity, neat forming oil containing high levels of advanced lubricity and extreme pressure additives. It is free of chlorine and heavy metals, such as Barium.

### Application

Iloform FST 14 has been specifically developed for light-medium duty fine blanking applications of carbon steel parts, such as automotive gear box and transmission parts, window lock parts etc. The product shows reliable performance at medium steel sheet metal thickness.

The enhanced lubrication package also allows the use in medium duty deep drawing and stamping operations.

Iloform FST 14 is designed to be used as received.

### Advantages

- Superior adhesion and wetting properties provide homogenous lubricating film which improves parts quality.
- Bright surface finish and cleanly sheared straight edges, especially on fine blanked components of sheet metal thickness up to 6 mm.
- Extreme resistance to pressure and high protection against wear enables long tool and die life and thus cuts downtime and tooling costs.
- Reliable corrosion protection reduces scrap rate.
- Chlorine- and heavy metals-free technology helps improving the environmental profile and minimises waste disposal costs.

### Typical Characteristics

	Test Method	Unit	Value
Appearance	Visual	–	Dark brown liquid
Density @ 15°C	DIN 51 757	kg/m <sup>3</sup>	967
Density @ 60°F	DIN 51 757	lb/gal	8,1
Viscosity @ 40°C (104°F)	DIN 51 562	mm <sup>2</sup> /s (cSt)	84
Flash Point	ISO 2592	°C / °F	> 200 / > 392

Ester	Sulphur	Phosphorous	Chlorine	Other
✓✓	✓			✓✓

## User Advice

Iloform FST 14 is not suitable for use on yellow metals.

Iloform FST 14 can be removed by using a petroleum solvent or alkaline process cleaner, all available from Castrol.

## Additional Information

### APPROVALS

Feintool – N 35 05 03 “Approval Metalworking Fluid for Fineblanking Application”

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