



Product Data

Iloform CFX 185

High Performance Neat Forming Oil

Description

Castrol Iloform® CFX 185 is a premium, medium viscosity neat forming oil. It is based on a novel high performance, extreme pressure and lubricity additive package that provides excellent performance without the use of chlorinated additives.

Application

Iloform CFX 185 is designed for use in a wide range of heavy duty ferrous metal forming applications, such as stamping and fine blanking of stainless steel and severe carbon steel drawing operations.

Iloform CFX 185 is also well suited for use in stainless steel and alloy steel tube cold pilgering operations, for both internal and external lubrication.

In Hydroforming it can be applied as medium duty outer lubricant and bending of carbon steel tubes.

Iloform CFX 185 is designed to be used as received.

Advantages

- Formulated without chlorinated paraffins and zinc additives which may help to fulfil aspects of legislative and waste treatment requirements that specify that these chemicals are excluded
- Contains an innovative high performance extreme pressure additive package to provide high protection against wear and to enable long tool and die life which helps to cut downtime and tooling costs
- Excellent adhesion and wetting properties to provide a homogenous highly lubricating film which results in an excellent surface finish and cleanly sheared straight edges, especially on fine blanked components of difficult geometry and sheet metal thickness up to 8 mm
- Excellent demulsifying properties provide easy skimming and long bath life of downstream aqueous hydroforming inner lubricant and cleaning systems which helps to reduce maintenance and disposal cost
- Reduces waste disposal cost and minimizes corrosion risk compared to chlorinated oils
- Mild odor to improve operator acceptance
- Can be removed by using alkaline process cleaners, also available from Castrol

Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual	-	Dark amber liquid
Density @ 15°C	ASTM D4052 / ISO 12185	kg/m ³	1.00
Viscosity @ 40°C	ASTM D 445 / ISO 3104	mm ² /s	185
Flash Point, COC	ASTM D92 / ISO 2592	°C	202

Subject to usual manufacturing tolerances.

User Advice

Iloform CFX 185 is not recommended for use on yellow metals.

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

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