Esso Imperial Oil

Product Data Sheet

MILLCOT K

ADHESIVE ANTI-SPATTERING OILS FOR TEXTILE PLANTS AND OTHER MACHINERY

November 2006

The MILLCOT* series consist of three tacky, general purpose oils for thin film applications in drip feed waste oilers, hand oiling, once through systems, automatic systems and lubrication reservoirs. The MILLCOT oils offer the following features and benefits:

- **Long Oil Life**
- **Anti-spattering for textile and office machinery**
- **Antiwear and rust inhibiting properties**
- **MILLCOT oils are available in the following grades; MILLCOT K 68, MILLCOT K 100 and MILLCOT K 220 representing SAE 20, SAE 30 and SAE 50 viscosities respectively**

Primary Applications

MILLCOT K 68 oil is a very versatile product for use on a wide variety of textile machinery such as carding machines, looms, and spinning machine parts other than spindles.

Likewise, MILLCOT K 100 is a product suitable for heavily loaded applications such as comb boxes, cams, bearings and sliding surfaces on many types of textile production machinery.

Similarly, MILLCOT K 220 can replace MILLCOT K 68 or K 100 under high ambient operating conditions or where loads, speeds, wear and leakage factors favour an SAE 50 viscosity. MILLCOT K 100 and MILLCOT K 220 are also very suitable for many semi-enclosed gear applications on textile machinery.

MILLCOT K oils are also suitable for a wide range of hand oiled, drip feed oiled, once through systems and automatic system applications on many other types of machinery and equipment. MILLCOT K 100 is used on overhead conveyor or equipment at airport terminals where dripping oil would soil freight or baggage. Intermittently lubricated equipment, such as packaging machinery or printing presses, should be lubricated by a MILLCOT K grade of oil.

In the lumber industry MILLCOT K oils are ideal for applications such as chains and hand oiled bearings in sawmills and lead screws on plywood veneer lathes.

Performance Features

MILLCOT oils are fortified with a rust inhibitor. An adhesive additive enables the MILLCOT oils to cling to rapidly moving parts, thus reducing spattering and consumption. The MILLCOT oils have good oxidation stability, which prevents gummy deposits from forming. They also contain an anti-wear additive to reduce wear on moving parts.

Precautions

MILLCOT K oils are manufactured from quality petroleum base stocks, blended with selected additives. As with all Esso products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact with the skin, splashing into the eyes, ingestion or vapour inhalation. Please refer to the Esso Material Safety Data Sheet for further information.

Note: This product is NOT controlled under the Canadian WHMIS legislation.

Typical Properties

	K68	**K100**	**K220**
Density @ 15°C, kg/m3	893	896	898
Flash, °C	196	202	238
Kinematic Viscosity			
- cSt @ 40°C	65.4	105	209
- cSt @ 100°C	8.1	11.1	17.3
Pour Point, °C	-24	-12	-3
SAE Grade * (*approximate)	20	30	50
Colour, ASTM	2.0	2.5	4.5
4-Ball Wear scar dia, mm with 40kg load	0.40	0.40	0.40

The values shown above are representative of current production. Some are controlled by manufacturing and performance specifications while others are not. All may vary within modest ranges.

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