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E-mail: [steauaromana@steauaromana.ro](mailto:steauaromana@steauaromana.ro); [www.steauaromana.ro](http://www.steauaromana.ro)**MINERAL OIL FOR FINE MECHANISMS (type MF 19)****(ST 2 / 2003)****Custom code:2710.19.99****TECHNICAL SPECIFICATIONS :**

CHARACTERISTICS	TECHNICAL CONDITIONS	TEST METHOD		
		STAS	ISO	ASTM
Cinematic viscosity at 40 °C ,cSt	14-22	117-87	3104	D 445 / 96
Flash point in open pot, °C, min.	150	5489-80	-	D 92 / 97
Colour, ASTM units, max.	4	34-67	2049	D 1500 / 96
Mineral acidity and alcalinity	absence	22-64	-	D 664 / 95
Insoluble matters in organic solvents	absence	33-84	-	-
Neutralization index, mg KOH /g, max.	1	23-75	6618	D 974 / 97
Water (distillation method)	absence	24/2-89	3733	D 95 / 83
Freezing point, °C,max	6	39-80	-	D 97 / 96
Ash, % max.	0,010	38-81	6245	D 482 / 95

**GENERAL DESCRIPTION:** Present specification are referring to the OILS FOR FINE MECHANISMS type MF 19 produced by distillation of mineral oils fractions.

**APPLICATIONS:**

This product is used for mechanisms and apparatus which operate in closed boxes with high speeds and small charges.

*End users are sole responsible for not using the product in accordance with producer's prescriptions and import country legislation in force.*

**PACKAGING – STORAGE:**

The packaging, marking and storage shall be made as per stipulations of Romanian standard STAS 4225/79.

Product has to be delivered only in clean suitable means of transportation, each lot being accompanied by quality, quantity certificates and transport safety data sheet. Quality is guaranteed for 3 (three ) months starting from producing date, stipulated storage conditions have to be observed.

**SAFETY MEASURES:**

As product is flammable, usual caution measures of fire prevention have to be taken when handling and storing this product.

**Note:** The info in this technical sheet is valid until the 31st of December, 2008. We ask you to contact STEAUA ROMANA REFINERY in order to see if the document has been revised .