



GENERAL MOTORS CORPORATION

MATERIAL SPECIFICATION

NO. 998 1720
998 1984PNC:
PAGE 1 OF 3NAME:
LUBRICANT - OIL CORROSION PREVENTIVECONTROL DIVISION
FISHER BODYI. GENERAL DESCRIPTION

This specification covers the physical and functional requirements of the following general purpose corrosion preventive oils applied as a protective coating on bare steel parts such as sectors for window regulator assemblies:

- 998 1720 - A water soluble oil to be used diluted with water
 998 1984 - An invert emulsion to be used as purchased where the use of 998 1720 is undesirable due to run-off causing possible house-keeping problems

II. DETAILED REQUIREMENTS

The material must be non-toxic and non-injurious to personnel engaged in its use or handling and shall conform to the following requirements:

A. Physical Properties1. Stability

- a. 998 1720 shall be emulsible with the water to be used in all proportions from 2 to 50 parts water to 1 part oil. It shall form a stable emulsion for 48 hours minimum.
- b. 998 1984 shall consist of properly refined petroleum oils and additives with the admixture of such other ingredients as to assure a stable invert emulsion with a minimum shelf life of 90 days.

2. Form and Quality

These materials shall be a homogeneous mixture of ingredients and shall be free from dirt, sediment, or other foreign matter. They shall not contain organisms or substances injurious to workmen. They shall not have a disagreeable odor. They shall not break down or become rancid, either in their original state, or in emulsion. No skinning, gelation, sludging, sedimentation or other deterioration shall occur in oils stored in closed containers, even if stored for extended periods. The compounds shall show no separation under temperatures encountered during shipment or storage. Emulsions shall not oxidize or otherwise produce gum or sludge. These material and/or its emulsions must be easily removable by ordinary cleaning methods.

2/27/79	B	998 1984 added	F.B.	ER-32728	GEW	CRH
2/20/75	A	New release-supersedes FBMS 20-48	F.B.	5-59306	GEW	CRH
DATE	SYM	REVISION RECORD	DIV	AUTHORITY	Documents	

* Denotes change from previous

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Engineering Staff, GM Technical Center
Warren, Michigan 48090

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3. Waste Disposal

These materials shall be compatible with existing plant waste disposal processes.

4. Corrosion Resistant Film Deposit

These materials must deposit in a continuous film that is reasonably dry to the touch with no tackiness.

5. Neutral Salt Spray Corrosion

Parts or standard test panels coated with the test material* must withstand a minimum of 24 hours neutral salt spray exposure (GM 4298) with essentially no corrosion.

6. Humidity Corrosion

Parts or standard test panels coated with the test material* must withstand a minimum of 168 hours exposure to 100% relative humidity at 37.7°C with essentially no corrosion.

* Test material for 998 1720 is the appropriate mixture of oil and water to meet the functional requirements.

B. Functional Requirements

Lubricants shall contain suitable emulsifiers, rust, and foam inhibitors and have all the general qualities and properties to insure its satisfactory performance in service for the applications stated in this specification.

C. Chemical Requirements

Shall contain no silicones.

D. Quality Control Requirements

Each supplier must submit to the Laboratory a Certification Sheet and a Safety Data Sheet on the material they propose to supply containing the physical properties listed in Section A.

E. Drum Identification

All shipments shall be made in clean, sealed containers clearly marked with the name of the lubricant as 998 1720 or 998 1984 stenciled on the top and side.

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