SURFACTANT, LUBRICANT, RUBBER HOSE AND TUBING, LOW SOLIDS — **WSS-M99B144-B1**

SURFACTANT, LUBRICANT, RUBBER HOSE AND TUBING. HIGH SOLIDS — **WSS-M99B144-B2**

1. SCOPE

The material defined by this specification is a long chain alcohol-ethylene oxide condensate surfactant and a polymer bound colorant.

2. APPLICATION

This specification was released originally for a lubricant used as an assembly aid for rubber hose and tubing. It is purchased in diluted form.

3. REQUIREMENTS

3.1 STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

Material suppliers and part producers must conform to the Company's Standard Requirements For Production Materials (WSS-M99P1111-A).

		B1	B2
3.2	**FORM**	Liquid	Liquid
3.3	**COLOR** (Visual)	Purple or Colorless	Purple or Colorless
3.4	**SURFACE TENSION** (ASTM D1331)	27 mN/m max	27 mN/m max
3.5	**pH** (ASTM E70, Add 10 mL of lubricant to 40 mL of water.)	6 – 8	6 – 8
3.6	**SPECIFIC GRAVITY** (ASTM D1298 at 15 °C)	1.001 - 1.0035	0.985 - 1.015
3.8	**ACTIVE INGREDIENT** (Total Solids) (ASTM D460, Method A, by weight)	0.2 - 1%	18 - 22%

Date	Action	Revisions	Rev. 0
2012 10 10	Released		S. Ryzyi, NA

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4. GENERAL INFORMATION

The information given below is provided for clarification and assistance in meeting the requirements of this specification. Contact gmfs@ford.com for questions concerning Engineering Material Specifications.

The surfactant is diluted with water by the manufacturer prior to shipment. Due to differences in the concentrate, the dilution ratio (water:surfactant) is as follows:

B1 = 200:1
B2 = 40:1

5. SUMMARY OF REVISIONS

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