

REPORT NUMBER: PUS23001443.1
EAR CONTROLLED DATA
PAGE: 2 of 10
DATE: May 14, 2026
INTRODUCTION:

This report presents the results of tests performed on Hydraulic Brake Hose Assemblies. These tests were conducted in accordance with the test requirements of the **Federal Motor Vehicle Safety Standard No. 106 (12/20/2004) and SAE J1401 (Feb 2013).**

Samples submitted for testing: 1/8" HL Brake Hose
Part Number (if given) N/A
Work was authorized by:
on behalf of: Fremec SA

Samples were received: March 26, 2026
Testing started on: April 7, 2026 and was completed on: April 29, 2026

DESCRIPTION OF SAMPLES SUBMITTED FOR TESTING:

Approximate free length (inches)	10.9
Number of hose assemblies	50
Approximate free length (mm)	276.86
Assembled with:	

SUMMARY OF RESULTS:

The following are results of testing conducted on the above-referenced hydraulic brake hose assemblies in accordance with the test requirements of FMVSS No. 106 and SAE J1401:

Tests	Remarks
100% Pressure	Complies
Construction	Complies
Labeling	Complies
Constriction	Complies

	Original (Unsoaked Hose)	Water Absorption (Heat Soak)
Volumetric Expansion - Low	Complies	
Burst Strength	Complies	Complies
Whip Resistance for assemblies: 10.9 inches long	Complies	Complies
Tensile Strength (Slow Pull)	Complies	Complies
Tensile Strength (Fast Pull)	Complies	Complies
Low Temperature Resistance (Cold Bend)	Complies	
Brake Fluid Compatibility	Complies	
End Fitting Corrosion Resistance (Salt Spray)	Complies	
Ozone Resistance	Complies	
Dynamic Ozone Resistance	Complies	
Hot Impulse	Complies	