



DEPARTMENT OF THE NAVY
NAVAL SURFACE WARFARE CENTER
CARDEROCK DIVISION

NAVAL SHIP SYSTEMS
ENGINEERING STATION
PHILADELPHIA, PA 19112-5083

IN REPLY REFER TO

9503
Ser 9232/025

JUN 02 2003

Mr. John Kozel, President
SIMS Pump and Valve Co., Inc.
1314 Park Avenue
Hoboken, NJ 07030

Dear Mr. Kozel:

Subj: REVIEW OF SIMS PUMP AND VALVE COMPANY, 4X3-10, 20 H.P. COMPOSITE PUMP SHOCK TEST RESULTS.

SIMS Pump and Valve Co. has modified their Series 9000 Model 4x3-10 SIMSITE Structural Composite line of pumps and conducted testing in accordance with MIL-S-901D (Military Standards Specification Shock Tests, High Impact; Shipboard Machinery, Equipment and Systems Requirements for Grade A, Class 1) and MIL-STD-167-1 (Military Standards Mechanical Vibrations of Shipboard Equipment, Type 1). SIMS Pump and Valve Co. letter of 29 January 2003 requested Carderock Division, Naval Surface Warfare Center (NSWCCD-SSES) Code 9232, review shock and vibration test data. SIMS also provided Noise Unlimited Laboratories, Inc., test report 9604.1 of 27 November 2002 which details the shock and vibration testing performed on SIMS Model 4x3-10 composite pump with a Sterling 20 HP IEEE TFEC Marine Duty motor and a composite foundation. Tested pump was rated at 500 GPM at 100 Feet of Head at 1750 RPM. NSWCCD-SSES Code 9232 witnessed the shock test at Noise Unlimited Laboratories on 14 November 2002.

NSWCCD-SSES Code 9232, as requested by SIMS Pump and Valve Co., has reviewed Noise Unlimited Laboratories shock and vibration test report 9604.1 and found the results presented pertaining to the subject pump fully met MIL-S-901D and MIL-STD-167-1.

NSWCCD-SSES 9232 recommends the SIMS composite pump with composite foundation be approved for use on non-critical Navy ship systems where a commercial pump meeting military shock and vibration specifications is deemed acceptable.

This letter does not authorize any change in terms, conditions, delivery schedule, price or amount of any existing government contract. Inquiries concerning this matter should be directed to Bob Coceano, NSWCCD-SSES Code 9232, Commercial (215) 897-7949.

Sincerely,


J.C. HILL

Copy to:
NAVSEA Washington, DC (Codes 05L3, 05M3, 05N)