

Coded Note Number: LI118

Coded Note Revision: **C013**

Date: **August 28, 2023**

Title: Acceptable Products List (APL) Test Report Requirements for Shop Products

1. PURPOSE:

To outline Newport News Shipbuilding's (NNS) test report requirements for shop products that fall under APL requirements. NNS has issued this Coded Note in order to assure compliance with applicable portions of MIL-STD-2041 **Rev F**.

2. DEFINITIONS:

A. Shop products – Any substance that contacts hardware surfaces other than metals or solid nonmetallic materials, such as liquids, pastes (e.g., greases, uncured; adhesives, sealants, locking compounds, and epoxies), and powders, not intended to be a permanent part of plant hardware unless otherwise specified by NNS.

3. GENERAL INFORMATION:

A. When EB Standard Clause 76-102 and this Coded Note are both specified in a PO, this Coded Note takes precedence. It is the supplier's responsibility to comply with this coded note in its entirety when it is specified as a part of a Purchase Order (PO).

B. The following Test Report must be:

- Readily identifiable to the NNS PO and Item Number
- In the form of reports issued by the organization performing the analysis or exact copies thereof. Data transcribed to another organization's forms are not acceptable.
- Completed within the prior four (4) years of material receipt by NNS.
- Certified correct with a signature and date by the seller's authorized representative.
- Contain a statement it is in accordance with this Coded Note (LI118 and the applicable coded note revision number).

C. The Test Report shall be submitted for each procurement to APL_QPL@hii-nns.com and approved prior to shipment of material. If the seller is unable to provide the required Test Report, the seller shall submit the following information to the email above and await further instructions from NNS: Manufacturer's Name, Product Name and Description, and Lot Number(s).

D. The seller shall accomplish the following analysis for each manufacturer and each lot of the specific product procured. Products must be re-verified to meet the detrimental limits if the manufacturer identifies that a change in the formulation has been made. If no manufacturer lot identification is present, all items (products) of one type received from the same manufacturer in the same shipment may be considered a single lot.

E. **Bolded** font indicates changed/added content (except section titles).

4. TEST PROCEDURE & PRODUCT REQUIREMENTS:

Include one (1) copy of the Certified Test Report, performed within four (4) years of the material receipt date, showing actual results of chemical analysis, which verifies that the items (products) on this order meet the following requirements:

- 1) Contain no more than 250 ppm each of total Chlorides, Fluorides, and Bromides.
- 2) Contain no more than 250 ppm of total sulfur.
- 3) Contain no more than 250 ppm of total phosphorus.
- 4) Contain no more than 250 ppm each of total antimony, bismuth, cadmium, lead, tin, and zinc.
- 5) Contain no more than 10 ppm of total mercury.

Shop Product materials shall be shipped in packaging/containers which protects from environmental precipitates and foreign material during shipment and storage.

1. EXCEPTIONS:

- A. A shop product may contain low melting point metals in the form of stable chemical compounds which do not melt or decompose below 2200 degrees F. Chemicals in such a form need not be counted toward the low melting point metal limits.
- B. In lieu of analysis for mercury, product manufacturers may certify that mercury and mercury compounds have not been added to the product and have not come in contact with the product during processing.
- C. A chloride limit of 500 ppm applies for grease in accordance with DOD G-24508. Phosphorus limits of 750 ppm and 500 ppm apply for Mobilgrease 28TM and Aeroshell Grease 22TM respectively. A fluoride limit of 4,000 ppm applies for Aeroshell Grease 22TM.

Revision History Table		
Rev	Description	Revision Date
C013	Revision C013 updated formatting throughout. Updated current revision to MIL-STD-2041 Rev. F.	8/28/2023

This revision history is provided for convenience and does not alleviate the supplier's responsibility with understanding and complying with the full coded note.