

MATERIALS / PAINTS

FNHA-2-J-001.19

DIP TANK STABILITY

1. SCOPE

This procedure is used to test the solvent evaporation/replenishment relationship and its effect on viscosity to predict paint stability for use in dip tanks.

2. REFERENCE STANDARDS

86507640(FNHA-2-J-001.05) - Viscosity
86507659(FNHA-2-J-001.24) - Weight Solids

3. MATERIALS AND EQUIPMENT

- 3.1 Willys-Overland Aeration Machine
See Figure 1
- 3.2 Laboratory scale or balance with accuracy to 0.1 gram.
- 3.3 Viscosity cup, Zahn or Ford conforming to 86507640 (FNHA-2-J-001.05)
- 3.4 Stopwatch and spatula
- 3.5 Solvent that will be used to thin paint and maintain viscosity in dip tank
- 3.6 Supply of pint paint cans
- 3.7 Clean rags

4. PROCEDURE

- 4.1 Identify and weigh an empty pint can without lid for each sample to be tested.

- 4.2 Record the initial paint viscosity per 86507640 (FNHA-2-J-001.05).

- 4.3 Run and record the weight solids per 86507659 (FNHA-2-J-001.24).

- 4.4 Pour 200 grams of well stirred paint into the weighed can.

- 4.5 Place the can with paint into the Willys wheel. Counter weigh all samples to balance the wheel with another paint sample or equally weighted can.

- 4.6 Each day the can containing the paint should be weighed and the solvent loss recorded. The lost solvent should be replaced to bring the weight back to the original 200 grams.

- 4.7 Repeat step 3.6 until the sample has had 10 days of testing.

- 4.8 On the 10th day after replacing the solvent, run the viscosity and the weight solids.

5. REPORT

- 5.1 Report the initial and final viscosity of the paint.

- 5.2 Report the initial and final weight solids.

- 5.3 The paint sample is suitable for dip application if the final viscosity is within two seconds of the original and the final weight solids are at least 98% of original

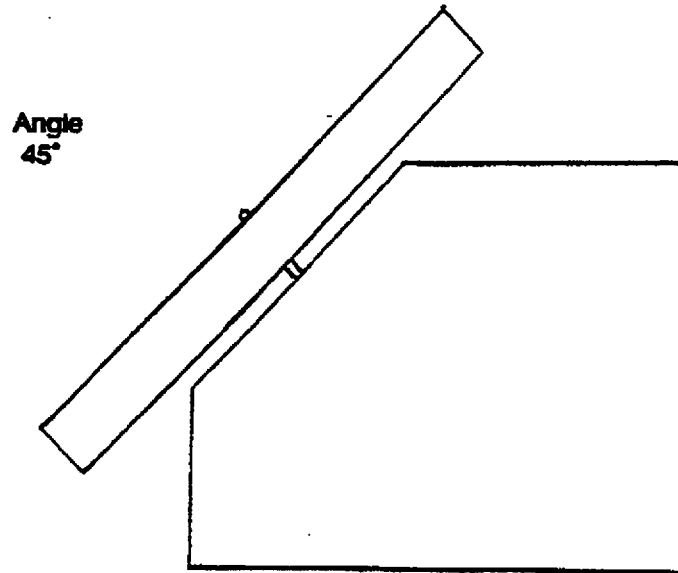
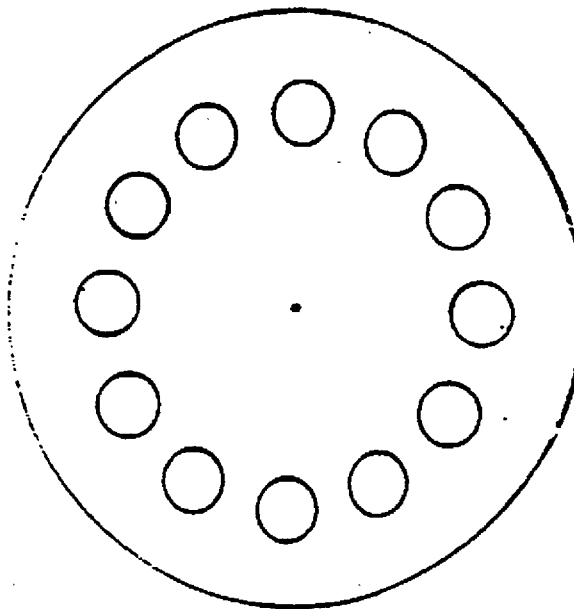
					NAME	STD DIP TANK STAB			
					 NEW HOLLAND			ENGINEERING SPECIFICATION	
								FRAME 1 OF 2	
								PART NUMBER	
								36507654	
ALL	B	RLF	110274	JUL 97	THE INFORMATION HEREON IS THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF NEW HOLLAND NORTH AMERICA, INC. AND/OR NEW HOLLAND CANADA, LTD. ANY USE, EXCEPT THAT FOR WHICH IT MAY BE LOANED, IS PROHIBITED.				
ALL	A	RE	104739	950123					
FRAME NO.	REV	BY	ECN NO.	DATE					
APP.	DRAWN		AP	MAR 94					
KHH JAN 95	CHECKED								

MATERIALS / PAINTS

FNHA-2-J-001.19

NOTE: Original test data implies that a paint that passes the 10 day test should last indefinitely in a dip tank if 3 to 5 percent of new material is added daily.

Figure 1

Side
View

12 Holes
RPM = 15
Hole Centers
are 15"

WHEEL

	NAME				PART NUMBER	
	STD DIP TANK STAB				86507654	
ENGINEERING SPECIFICATION		REV. B	FRAME 2	OF 2		