

Oil/Chemical Resistant Casting Sealer

1. SCOPE

1.1 The sealer defined by this specification for New Holland shall be applied to castings that contain hydraulic oil. Other selected castings shall be primed with this sealer to assure proper function and/or quality finish.

1.2 This specification may involve hazardous materials, procedures and apparatus. This specification does not address the health and safety problems associated with its application or use. It is the specification user's responsibility to follow appropriate health or safety practices and determine the application or regulatory limitation prior to use.

2. APPLICATIONS

This specification was released originally for material used as a sealer on interior or exterior surfaces of castings where oil resistance is required. The sealer material may be applied by dipping, spray or flow coat methods.

3. DESIGNATION

Decision for sealing shall be made by Product Engineering and/or Product Committee. Product Engineering shall be responsible for the notation on the engineering drawing. The Engineering drawing or standard shall contain the following notation to specify the sealing of a casting or component:

“SEALING PROTECTION TO BE PROVIDED BY THE CASTING SUPPLIER AND MUST CONFORM TO STD 86505476 (FNHA-2-J-050.00)”

The part number for this Paint sealer shall be taken from the part number on the Engineering specification and entered in the parts list as illustrated in

Figure 1

1	0	86505476	STD PAINT SEALER
ITEM	QUANTITY	SPQ	PART NUMBER
D ANGLE SECTION		NAME	
		MECHANICAL MATERIAL MECHANICAL MATERIAL	
I HEREBY CERTIFY OF		THE FOLLOWING TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED $30^\circ \pm 30^\circ \pm 2^\circ$ MACHINED SURFACE FINISH = 6.3 EXCEPT GRINDED SURF.	

Figure 1. The name shall be taken from the name of the specification and entered as seen in Figure 1. The quantity shall be noted as zero.

4. RELATED SPECIFICATIONS

4.1 REFERENCE STANDARD

86507635 (FNHA-2-J-001.00)—Paint Test Procedures

4.2 This specification replaces the following company standard:

New Holland	2.48.9
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5. REQUIREMENTS

In addition to fulfilling the requirements as a sealant for castings, this product must also serve as a general shop primer and must perform satisfactorily when topcoated with selected paint finishes. All surfaces of castings shall be sealed.

5.1 PRE-PAINT CONDITIONING

Prior to sealing, the parts shall be thoroughly cleaned and free from rust, scale, oil or any other foreign matter which would be detrimental to the adhesion of the sealer.

5.2 COLOR

The color of the primer/sealer is not specified.

					NAME	STD PAINT SEALER	
					 NEW HOLLAND		ENGINEERING SPECIFICATION
ALL	C	BJF	120449	30JAN03	THE INFORMATION HEREON IS THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF NEW HOLLAND N. V. AND/OR ITS SUBSIDIARIES. ANY USE, EXCEPT THAT FOR WHICH IT MAY BE LOANED, IS PROHIBITED.	FRAME 1	OF 3
ALL	B	RLF	110274	JUL 97			
ALL	A	RE	104739	931015			
FRAME NO.	REV	BY	ECN NO.	DATE			
APP.	DRAWN		AP	AUG 93			
KHH OCT 93	CHECKED						

Table 1: Paint Specification 86505476
New Holland Oil/Chemical Resistant Casting Sealer

Properties	Units	Specification	FNHA Test Methods
Test Panel Preparation	None	Represents Production	86507635
Color	D E	3.0 Max.	86507637
Film Thickness	Mils	0.8-1.5	86507641
Hardness	Pencil	6B Min - 1 Hr HB Min - 30 Days	86507643
Impact-Toughness	Pounds	NA	86507644
Adhesion	Percent	95	86507645
Wrinkle Resistance	None	No Defects	86507646
Overbake	D E	1.0 Max.	86507647
Salt Spray	Hours	120	86507648
Humidity Resistance	Hours	NA	86507649
Chemical Exposure	None	NA	86507650
Water Spot Resistance	None	NA	86507651
Recoating of Finishes	None	No Lifting	86507652
Exposure—Outdoor Durability	Percent	NA	86507653
Drying	None	Equal to Production	86507656
Application	None	Meet Plant Facilities	86507657
Decal Acceptance	None	NA	86507662
Accelerated Weathering	Percent	NA	86507663
Dew Point Dulling	None	NA	86507664
Freeze-Thaw Resistance	Cycles	10	86507666
Manure Resistance	Days	NA	86507667
Primer-Topcoat Compatibility	None	No Lifting or Loss of Gloss	86507668
Water Immersion	Hours	96 and 240	86507670
Oil/Chemical Resistance	Minutes Hours	Varies With Chemical	86507671

	NAME				PART NUMBER	
	STD PAINT SEALER				86505476	
ENGINEERING SPECIFICATION				REV. C	FRAME 2	OF 3