MATERIALS ENGINEERING
MATERIALS EVALUATION REPORT
NEW HOLLAND LABORATORY

Machine: **Date Started:** 11/10/11 **Date:** 01/19/12
Product: **Mat.Proj. No.** L0699
Project: **REV:** A

TO: Nick Ekis

SUBJECT: CNH Color Part No. 86629831, Case Black Primer, TCI Powder, 9720-91950, CNH 3P, TGIC Polyester Powder, Primer Approval

PURPOSE: To determine if the subject paint meets the requirements of CNH MAT0103 (86628044), Class 3P (86628057) "Paint Material and Finished Part Performance Requirements"

BACKGROUND: Subject paint was submitted for the purpose of testing against the above mentioned specification. The test procedures are listed as test methods in the table on page two. The painted panels were prepared at TCI Powder.

Primer Procedure: Electrostatic Spray

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RESULTS: See results on page two.

CONCLUSION: This product met the requirements for approval to Class 3P (86628057) per CNH Paint Material and Finished Part Performance Requirements MAT0103 86628044 . It shall be added to the Approved Materials list MAT0101Q APPROVED PAINT MATERIALS 86628043.

MAT0101 Reference: CNH Color Part Number: 86629831, Case Black Primer, TCI Powder, 9720-91950, CNH 3P, Bake (Cure Temperatures above 90°C or 194°F)

SIGNATURE: Jesika E. Ream **TITLE:** Laboratory Analyst

CC: E. Rahe; G. Remus; Sheldon Holloway (TCI Powder)

MAT. PROJ. No.:	L0699	**LAB REPORT:**	2011R123
SUPPLIER:	TCI Powder	**CONTACT INFORMATION**	(229) 937-1226
SUPPLIER CONTACT:	Sheldon Holloway	sholloway@tcipowder.com	
PRIMER CODE:	9720-91950	**CATALYST:**	N/A
APPROVAL:	Primer Approval	**TYPE of PRIMER:**	TGIC Polyester Powder
Form Date: 10/5/11 **CLASS:**	3P	**COLOR of PRIMER:**	Case Black Primer

TEST	TEST METHOD	REQUIREMENTS	RESULTS
DEVIATION OF COLOR MAX @ D65/10 included	ASTM E308	Visual Match To Standard	PASS
HARDNESS (PENCIL) - FINAL	ASTM D3363	Pencil = H	5H
HARDNESS (PERSOZ) - FINAL	ISO 1522	200	309
IMPACT FORWARD	ASTM D2794	30 kg cm	58
CHIP RESISTANCE	ASTM D3170	5B	6A
FLEXIBILITY	ASTM D522 METH B	No Cracks or Adhesion Loss	PASS
ADHESION @ ROOM TEMP	ASTM D3359	4B	5B
SALT SPRAY	ASTM B117&D1654	800 hrs Rating 7	800 hrs. Rating 9
HUMIDITY	ASTM D1735	400 hrs min.	
	ASTM D1729	No Visual Change	PASS
	ASTM D714	1 hr recover 8min few max.	None
WATER IMMERSION	ASTM D870	500 hrs at 25° C	
	ASTM D523	No Recovery	
	ASTM 1729	No Rust	PASS
	ASTM D714	Blister: 8 Min, Few Max	None
	ASTM D3359	Adhesion: 4B min.	5B
	ISO 1522	Hardness: 15% Change Max	6%