

NAVISTAR, INC.		
Material, Parts, and Process Specifications (MPAPS)		NUMBER: MPAPS VOID INDEX
		Former Designation: <i>TMS-1011 (example)</i>
TITLE: Voided Material Specifications		CURRENT REV No.: 1826
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MPAPS: VOIDED SPECIFICATIONS			
MPAPS A-0 Part I Section A	Chemical Composition of Standard Steels- Part I Section A	No Replacement	August 2014
MPAPS D-7051	Decorative Electroplated Chromium – Plastics	MPAPS G-7051	September 2016
MPAPS G-5 Part I	Paint Material and Finished Product Requirements	Combined with MPAPS G-5	August 2014
MPAPS G-5 Pt I APPX	Paint – Part I Appendix	Combined with MPAPS G-5	August 2014
MPAPS G-5 APPX	Paint – Appendix	MPAPS G-8	April 2017
CEMS: VOIDED SPECIFICATIONS			
A-0 Pt I, Sec A	Chemical Composition of Standard Steels – Part I, Section A – North American Steels	MPAPS A-0 Pt I, Sec A	February 2014
A-0 Pt I Sec B	Chemical Composition of Standard Steels – Section B	No replacement.	August 2014
A-0 Part I APPX	Chemical Composition of International Standard Steels - North American and Global Steels - Appendix	None	February 2012

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DOCUMENT NUMBER	TITLE	REPLACED BY	DATE OF VOID
A-0 Part II	System of Steel Classification for Standard Steels	MPAPS A-0 Part II	August 2014
A-0 Part II APPX	System of Steel Classification for Standard Steels - Appendix	Incorporated into MPAPS A-0 Part II	August 2014
A-0 Part III	Classification System for Heat Treated Steels	MPAPS A-0 Part III	August 2014
A-0 Part III APPX	Classification System for Heat Treated Steels – Appendix	MPAPS A-0 Pt III APPX	August 2014
A-1 & APPX	Hot Rolled Steel, Carbon And Alloy Bars, and Carbon Wire Rods	MPAPS A-1	June 2015
A-2 & APPX	Cold Finished Steel Bars	MPAPS A-2	June 2015
A-5	Carbon Steel Sheet	A-6	1960
A-6 Pt I	Low Carbon Steel, Flat Rolled and Structural Shapes	MPAPS A-6 Pt I	Feb. 2014
A-6 Pt I APPX	Low Carbon Steel, Flat Rolled and Structural Shapes - APPENDIX	MPAPS A-6 Pt I APPX	Feb. 2014
A-6 Pt II	Low Carbon Steel, Flat Rolled and Structural Shapes - Part II. METALLIC COATED SHEET AND STRIP	MPAPS A-6 Pt II	Feb. 2014
A-6 Pt II APPX	Low Carbon Steel, Flat Rolled And Structural Shapes – Pt II Metallic Coated Sheet And Strip – APPENDIX	MPAPS A-6 Pt II APPX	Aug. 2014
A-6 Pt III	Low Carbon Steel, Flat Rolled and Structural Shapes - Part III. ORGANIC COATED SHEET AND STRIP	MPAPS A-6 Pt III	Feb. 2014
A-7	Diesel Injection Pump Tubing	A-45, Pt II	1960
A-8 & APPX	Steel Wire	MPAPS A-8	August 2015
A-9 & APPX	Steel Spring Wire	MPAPS A-9	August 2015
A-10, Part I	Mechanical Steel Tubing Part I-Electric Resistance Welded Mechanical Steel Tubing	MPAPS A-10 PART I	August 2015
A-10, Part I, APPX	Mechanical Steel Tubing Part I Mechanical Steel Tubing-Appendix	MPAPS A-10 APPX	August 2015
A-10, Part II	Mechanical Steel Tubing Part II-Cold Drawn Butt Welded Mechanical Steel Tubing	MPAPS A-10 PART II	August 2015
A-10, Part II, APPX	Mechanical Steel Tubing Part II-Cold Drawn Butt Welded Mechanical Steel Tubing-Appendix	MPAPS A-10 APPX	August 2015
A-10, Part III	Seamless Mechanical Steel Tubing	MPAPS A-10 PART III	August 2015
A-10, Part III APPX	Seamless Mechanical Steel Tubing-Appendix	MPAPS A-10 APPX	August 2015
A-11	Section Steel	FZG 14490	1979
A-12	Upholstery Spring Wire	Deleted	1961
A-16	Disks	Discontinued	1987
A-17	Soft Center Steel	FZG 14491	1979
A-18 & APPX	Welded and Seamless Steel Pipe	MPAPS A-18	August 2015
A-21	Steel for Detachable Link Sprocket Chain	Std Parts, Sec U	1968
A-23	Steel for Cold Formed Nuts	Deleted	1981
A-26	Steel Knife Backs	FZG 14492	1979
A-27	Seamless Mechanical Steel Tubing	A-10, Pt III	1960
A-30	Two-Ply and Plated Steel	Deleted	1971
A-31 Pt. I	Steel Bolts and Studs	MPAPS F-31 Pt I	Feb. 2014
A-31 Pt II	Steel Nuts	MPAPS F-31 Pt II	Feb. 2014
A-31, Pt III	Nuts	A-31, Pt II	1969

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DOCUMENT NUMBER	TITLE	REPLACED BY	DATE OF VOID
A-31 APPX	Steel Bolts, Studs, and Nuts – APPENDIX	MPAPS F-31 APPENDIX	Feb. 2014
A-32	Rods, Bars, and Wire for Bolts, Rivets, & Pins	Voided	1981
A-33	Steel for Ball Bearing Race Rings	No Replacement	Dec.2015
A-34	Chrome Steel Balls	No Replacement	Dec. 2015
A-35	Steel For Roller Bearings	No Replacement	Dec. 2015
A-37 & APPX	Stainless and Heat Resisting Steels and Alloys	MPAPS A-37 & APPENDIX	April 2014
A-38 & APPX	Structural Steel Tubing	MPAPS A-38	June 2015
A-39 & APPX	Shot Peening of Metal Parts	MPAPS A-39	April 2017
A-40A & APPX	Case Hardened Iron and Steel Parts – Carburizing and Carbonitriding	MPAPS A-40 & APPENDIX	August 2014
A-40B & APPX	Aerated Salt Nitriding And Gaseous Ferritic Nitrocarburizing	MPAPS A-40 & APPENDIX	August 2014
A-41 & APPX	Flame and Induction Hardened Steel and Iron Parts	MPAPS A-41	Dec. 2015
A-43 & APPX	High Strength Low Alloy Steel Plate/Bar	MPAPS A-43 & APPENDIX	April 2014
A-44 & APPX	Heat Treated Construction Steels	MPAPS A-44	August 2015
A-45, Part I	Automotive Steel Tubing	MPAPS A-45 PART I	August 2015
A-45, Part II	Hydraulic Line Tubing and Tubing Assemblies	MPAPS A-45 PART II	August 2015
A-45, Part III	Diesel Injection Tubing	MPAPS A-45 PART III	August 2015
A-45, Parts I, II, III APPX	Automotive Steel Tubing-Appendix	MPAPS A-45 APPX	August 2015
A-50	Tensile Properties of Steel and Methods of Testing	ASTM A 370	1971
A-51	Method for Inclusion Rating of Steel	ASTM E 45	1977
A-52 & APPX	Classification of Grinding Microstructural Alterations	MPAPS A-52	Dec. 2015
AT-2	Determination of Austenite Grain Size by Thermal Etching	MPAPS AT-2	April 2016
AT-3	Method Of Calculating DIB And DIC For Heat Treatable Steels	MPAPS AT-3	Feb.2018
B-1	Coolant Concentrate, Ethylene Glycol Base	MPAPS B-1	Feb. 2014
B-2	Antifreeze, Methanol Base	Deleted	1971
B-5	Hydraulic and Transmission Fluid	Renumbered as B-6	1963
B-20	Machine Oils & Greases	Renumbered as B-21, B-22, B-26	1952
B-21	Diesel Engine/Crankcase Oils	MPAPS B-21	Feb. 2014
B-21 APPX	Diesel Engine/Crankcase Oils	None	April 2014
B-27	Lubricating Greases	MPAPS B-27	June 2017
B-30	Hydraulic Oil, Rust, and Oxidation Inhibited	Deleted	1972
B-31 & APPX	Special Corrosion Inhibited Diesel Fuel, Ashless Type	No replacement	Feb. 2014
B-32 & APPX	Diesel Fuels & APPENDIX	MPAPS B-32	Feb. 2014
B-33	Engine Starting Ether	PM-1	1962
B-34	Engine Cooling System Stopleak Compounds	No replacement	Feb. 2014
B-41	Air Conditioner Refrigerant	MPAPS B-41	Feb. 2018
B-42	Heat Transfer Fluid	No replacement	April 2014
B-43	Gasoline Engine/Crankcase Oils	MPAPS B-43	April 2014
B-44	Coolant Concentrate, Ethylene Glycol Base, for Gasoline or Diesel Engines Requiring GM6277M and/or Ford WSS-M97B44-D Approval	MPAPS B-44	April 2015
B-50	Restricted Chemical Substances	MPAPS B-50	Feb. 2014
B-51	Dry Film Lubricant for Fasteners	MPAPS B-51	Feb. 2018
BT-1	Foaming Test	MPAPS BT-1	June 2014

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BT-2	Insoluble Deposits Test (U.S. Patent No. 2,931,219)	None	June 2014
BT-3	Corrosion Test	MPAPS BT-3	Aug. 2014
BT-4	Saponifiable Matter	MPAPS BT-4	Aug. 2014
BT-7	Water Tolerance Test	MPAPS BT-7	Aug. 2014
BT-6	Elastomer Aging Test	Deleted	1971
BT-8	Volumetric Change Test	Deleted	1973
BT-9	Humidity Corrosion Test	MPAPS BT-9	May 2017
BT-10	Oxidation Corrosion Test	MPAPS BT-10	May 2017
BT-11	Engine Test	Deleted	1970
BT-12	Water Compatibility Test	Deleted	1973
BT-13	Stability Heating Test	MPAPS BT-13	Feb 2018
BT-14	Load Carrying and Abrasion Test	Deleted	1970
BT-15	Bronze Test	Deleted	1970
BT-16	Noncombustible Sediment Test	Deleted	1973
BT-19	Soluble and Ash of Insoluble Residue Test	ASTM D 2276	1973
BT-23	Bottom Sediments and Water Test	ASTM D 2273	1970
BT-24	Performance Characteristics of Flushing Fluid	Deleted	1964
BT-26	Solid Matter Test	MPAPS BT-26	Aug. 2014
BT-27	Ash Content Test	MPAPS BT-27	Aug. 2014
BT-28	Compatibility and Dispersibility Test	MPAPS BT-28	Aug. 2014
BT-29	Test for Leak Stoppage of Cooling System Stopleak Compounds	MPAPS BT-29	Aug. 2014
BT-30	Foam Test With Water	MPAPS BT-30	May 2017
BT-31	Volatile Matter Test	MPAPS BT-31	May 2017
BT-32	Apparent Density Of Solid Matter Test	MPAPS BT-32	May 2017
BT-33	pH Value Test	MPAPS BT-33	May 2017
BT-34	Oil Content Test	MPAPS BT-34	May 2017
BT-36	Grease Extraction	MPAPS BT-36	Feb 2018
BT-37	Oxygen Absorption Test for Limited Slip Additive	Deleted	1972
BT-49	Determination Of Molybdenum Disulfide In Lubricants	MPAPS BT-49	Feb 2018
C-1	Designation of Nonferrous Alloys	Discontinued	1959
C-2	Brass and Bronze Castings	MPAPS C-2	April 2015
C-2 APPX	Brass and Bronze Castings Appendix	MPAPS C-2 APPX	April 2015
C-3 & APPX	Wrought Copper Base Alloys	MPAPS C-3	Dec. 2015
C-5 & APPX	Bearing and Bushing Alloys	MPAPS C-5	Oct. 2015
C-7	Aluminum Alloy Ingots for Remitting	Deleted	1970
C-8	Aluminum Alloy Castings	MPAPS C-8	Feb. 2014
C-8 APPX	Aluminum Alloy Castings – APPENDIX	MPAPS C-8 APPX	Feb. 2014
C-9	Aluminum Alloy Die Castings	C-8	1977
C-10	Wrought Aluminum Alloys	MPAPS C-10	June 2014
C-10 APPX	Wrought Aluminum Alloys – Appendix	MPAPS C-10 Appendix	June 2014
C-11	Aluminum Alloy Drawn Seamless Tubing	Deleted	1961
C-14 & APPX	Zinc Base Alloy Die Castings	MPAPS C-14	Dec. 2015
D-8	Felts	SAE J314	1998
D-15, Part I & Appx	Elastomeric Materials	ASTM D2000	April 2009
D-16	Hydraulic Oil Hose & Hose Assemblies	No replacement	April 2009
D-20	Vulcanized Fiber	ASTM D 710	1972

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DOCUMENT NUMBER	TITLE	REPLACED BY	DATE OF VOID
D-21	Nylon Molding and Extrusion Compounds	D-28	1988
D-22	Fiber Glass Reinforced Polymer Materials	MPAPS D-22	Feb. 2014
D-22 APPX	Fiber Glass Reinforced Polymer Materials – APPENDIX	MPAPS D-22 APPENDIX	Feb. 2014
D-25	Oil Impregnated Wood Parts	FZG 14493	1979
D-27 & Appx	Radial Lip Oil Seals	No replacement	April 2009
D-28	Plastic Parts and Resins	MPAPS D-28	Feb. 2014
D-29	Plastic Molding Compounds	D-28	1988
D-30	Coolant Hose	MPAPS F-30	Feb. 2014
D-30s	Coolant Hose – Supplement (<i>Restricted</i>)	MPAPS F-30 Appendix	June 2014
D-31	Sealant Coated Pipe Thread Fittings	MPAPS F-32	June 2016
D-32	Decorative Pressure Vapor Deposition (PVD) - Plastics	MPAPS G-32	June 2017
DT-1	Low Temperature Brittleness of Elastomers	ASTM D2137 Method A	April 2009
DT-4	Impact Test For Plastics	MPAPS DT-4	June 2016
DT-5	Flammability of Materials	Ref: FMVSS 302/SAE J369	1987
DT-6	Fluid Immersion Properties of O-Rings	ASTM D1414 & D471	April 2009
DT-7	Method of Determining Hardness of Seal Materials	ASTM D1415	April 2009
DT-8	Glass Content Of Reinforced Plastics	MPAPS DT-8	June 2017
DT-9	Cold Leak Testing of Hose Assemblies	MPAPS DT-9	Oct. 2014
DT-12	Colorfastness to Cleaning and Chemicals	MPAPS DT-12	Feb. 2014
DT-13	Acoustic Decoupler, Bulk-Stiffness	No replacement	August 2007
DT-14	Surface Waviness Definition via ALSA0 Analyzer	MPAPS DT-14	Oct. 2016
DT-15	Test for Hose Insertion Force	MPAPS DT-15	Mar. 2017
DT-16	Scratch and Mar Testing for Hard Plastic Trim	MPAPS DT-16	Feb. 2014
E-1	Pig Iron	Manufacturing Standards	1957
E-2 & APPX	Steel Castings	MPAPS E-2	April 2017
E-6	Gray Iron Castings	MPAPS E-6	April 2016
E-6 APPX	Gray Iron Castings Appendix	MPAPS E-6 APPX	April 2016
E-7	Malleable Iron Castings	MPAPS E-7	Feb. 2018
E-7 APPX	Malleable Iron Castings- Appendix	MPAPS E-7	Feb. 2018
E-9	Compacted Graphite Iron Castings	MPAPS E-9	June 2016
E-10	Ductile (Nodular) Iron Castings	MPAPS E-10	April 2014
E-10 APPX	Ductile (Nodular) Iron Castings – Appendix	MPAPS E-10 APPENDIX	April 2014
F-0	Fastener Torque Requirements	MPAPS F-0	June 2014
F-1	Fluid Connections (Liquid/Gas/Hose/Tube)	MPAPS F-1	Feb. 2014
F-1 APPX	Fluid Connectors - Appendix	MPAPS F-1 APPX	May 2017
F-2	Fluid System Cleanliness Requirements	MPAPS F-2	June 2014
F-3	Composite Air Brake Push-to-Connect (PTC) Fittings	MPAPS F-3	Feb. 2018
F-13	Soft Solders	Deleted	1981
FT-1	HVAC-TXV Durability Testing	MPAPS FT-1	Feb 2018
G-1 & APPX	Phosphate Coatings on Iron and Steel	MPAPS G-1 & APPENDIX	April 2014
G-5 Part IA	Paint – Part IA, Product Finishing Requirements	MPAPS G-5 Part I	April 2014
G-5 Part IB	Paint Material Requirements	MPAPS G-5 Part I	April 2014
G-5 Part I APPX	Paint - Part I Appendix	MPAPS G-5 Part I APPX	June 2014

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DOCUMENT NUMBER	TITLE	REPLACED BY	DATE OF VOID
G-5 Part II	Part II Paints - Topcoats, General Requirements	No replacement. See MPAPS G-5 for information.	Aug. 2014
G-5 Part II	Part II Paint – Topcoats, Grade -17	No replacement	Aug. 2014
G-5 Part II	Part II Paint – Topcoats, Grade -17HS	See MPAPS G-5 for replacement.	Aug. 2014
G-5 Part II	Part II Paint – Topcoats, Grade -18	See MPAPS G-5 for replacement.	Aug. 2014
G-5 Part II	Part II Paints - Topcoats, Grade -19	No replacement	Aug. 2014
G-5 Part II	Part II Paints - Topcoats, Grade -19HS	See MPAPS G-5 for replacement.	Aug. 2014
G-5 Part II	Part II Paints – Topcoats, Grade -20	No replacement	Aug. 2014
G-5 Part II	Part II Paints – Topcoats, Grades -29 and -29T	No replacement	Aug. 2014
G-5 Part II	Part II Paints – Topcoats, Grade-29HS and - 29THS	No replacement	Aug. 2014
G-5 Part II	Finishing Enamels Grades -23 and -23A	Deleted	1989
G-5 Part II	Finishing Enamels Grades -23H and -23HA	Deleted	1989
G-5 Part II	Finishing Enamels Grades -26 and -26A	Deleted	1989
G-5 Part II	Finishing Enamels Grades -27, -27A, -27T, and - 27AT	Deleted	1989
G-5 Part III	Part III Paints – Chassis and Miscellaneous Paints, General Requirements	No replacement	Aug. 2014
G-5 Part III	Engine Paints Grade -31	G-5 Part VIII	1989
G-5 Part III	Engine Paints Grade - 31W	G-5 Part VIII	1989
G-5 Part III	Part III Paints - Chassis And Miscellaneous Paints, Grade -32	No replacement	Aug. 2014
G-5 Part III	Part III Paints - Chassis and Miscellaneous Paints, Grade –32HS	No replacement	Aug. 2014
G-5 Part III	Part III Paints - Chassis and Miscellaneous Paints, Grade –32HS/UR	Refer to MPAPS G-5 for replacement.	Aug. 2014
G-5 Part III	Part III Paints - Chassis and Miscellaneous Paints, Grade –32W	Refer to MPAPS G-5 for replacement.	Aug. 2014
G-5 Part III	Part III, Chassis And Miscellaneous Paints, Grade -33	No replacement. Refer to TMS-9015 Type I.	Aug. 2014
G-5 Part III	Engine Paints Grade -34 and -34D	Deleted	1989
G-5 Part IV	Part IV Paints - Casting Sealers, General Requirements	No replacement	Aug. 2014
G-5 Part IV	Part IV Paints – Casting Sealers Grade – 41	No replacement	Aug. 2014
G-5 Part IV	Part IV Paints - Casting Sealers, Grade-43	No replacement	Aug. 2014
G-5 Part IV	Part IV Paints - Casting Sealers, Grade-43W	No replacement	Aug. 2014
G-5, PART V	Part V Paints – Primers, General Requirements	No replacement	Aug. 2014
G-5, PART V	Part V Paints – Primers, Grade-50	No replacement	Aug. 2014
G-5 Part V	Primers Grade -50T	Deleted	1989
G-5, PART V	Part V Paints – Primers, Grade-52	No replacement	Aug. 2014
G-5, PART V	Part V Paints – Primers, Grade-52HS	No replacement	Aug. 2014
G-5 Part V	Part V Paints – Primers, Grade-52W	No replacement	Aug. 2014
G-5 Part V	Part V Paints – Primers, Grade-53 & -53A	No replacement	Aug. 2014
G-5 Part V	Part V Paints – Primers, Grade-54	See MPAPS G-5 for replacement.	Aug. 2014
G-5 PART V	Part V Paints – Primers, Grade -55 & -55W	No replacement	Aug. 2014
G-5 Part V	Part V Paints – Primers, Grade -56	See MPAPS G-5 for replacement.	Aug. 2014
G-5 Part V	Part V Paints – Primers, Grade -57	No replacement	Aug. 2014

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