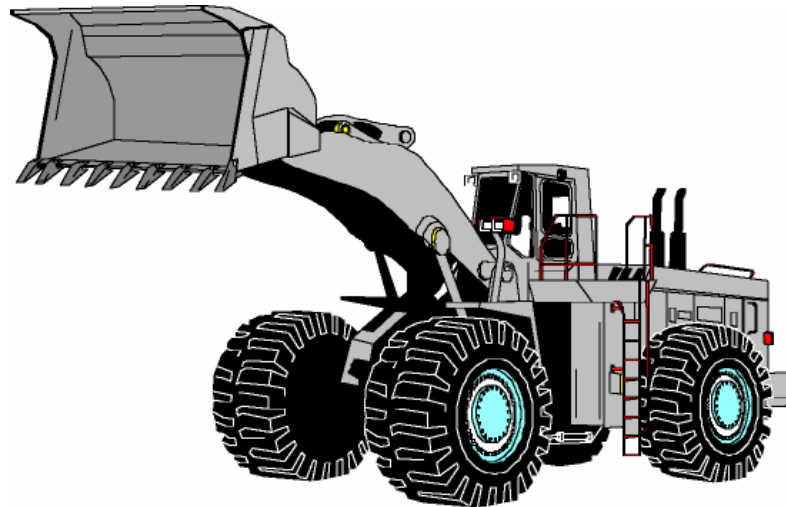


DEFENSE LOGISTICS AGENCY (DLA) COLUMBUS



COOPERATIVE TIRE QUALIFICATION PROGRAM (CTQP) COOPERATIVE APPROVED TIRE LIST (CATL) CATL-1923

FOR US GOVERNMENT PURCHASE OF:

**New & Retread Off the Road Tires; Earthmoving, Mining and Logging Tires;
Fork-Lift, Mobile Crane, Shovels and Mining Car Tires; Front End Loader,
Dozer and Road Grader Tires.**

*This CATL-1923 revised February 2024 replaces all previous versions of CATL-1923.

**COOPERATIVE APPROVED TIRE LIST (CATL)
OF
PRODUCTS QUALIFIED UNDER ASTM STANDARD F1923
AND ADMINISTRATIVE MANUAL CTQP-AM-1923
FOR
TIRES, PNEUMATIC, LOW SPEED, OFF HIGHWAY (NEW AND RETREADED)**

The Defense Logistics Agency (DLA) Land and Maritime (L&M) Strategic Acquisition Programs Directorate (SAPD), that manages the Tires Successor Initiative (TSI) requirements contract in support of DLA managed aircraft and ground tires, and the Naval Supply Systems Command Weapon System Support (NAVSUP-WSS) who manages the Navy Tires Performance Based Logistics Successor (TPS) contract in support of Navy managed aircraft tires, will be consolidated into one requirements contract that will be known as the Global Tires Program (GTP). The GTP will provide tire support for the Air Force, Army, Coast Guard, Marines, Navy and Foreign Military Sales (FMS). The Government will pursue an acquisition strategy by establishing Vendor Long Term Contracts (LTCs) or Vendor Indefinite Delivery Purchase Orders (IDPOs), hereby referred to as Vendor LTCs, with Original Equipment Manufacturers (OEMs) and dealers for tires. The acquisition strategy requires the GTP Integrator to utilize the DLA L&M established Vendor LTCs for its supply of tires for supply chain management and to provide responsive global supply support to military customers.

The GTP Integrator, the Government and industry counterparts will be working together to support DLA's military customers by providing aircraft and ground tire support. The GTP Integrator and LTC Vendor(s) are required to meet all terms and conditions in their respective contract(s) and shall put forth its best efforts and at all times deal in good faith with one another in executing GTP support. The GTP Integrator is required to utilize the Government established Vendor LTCs for the GTP Integrator's inventory / replenishment of new and repairable tires. The LTC Vendor(s) shall fill and deliver orders to the GTP Integrator.

The Cooperative Tire Qualification Program (CTQP) is administered by the Ground Vehicle Systems Center (GVSC) with DLA oversight, and is limited in scope to tire groups that include a DOD ground vehicle tire application. The GVSC is the Engineering Support Agency (ESA) for DOD ground vehicle tires.

Address: Detroit Arsenal
US Army AFC-CCDC-SIE-ES-PE/Q-SPECSYS-TIRES
6501 E. 11 Mile Rd.
BLDG 200A 2nd Floor West MS: 268
Warren, MI 48397-5000

The DLA Defense Supply Center Columbus (DSCC) has overall management responsibility.

GVSC has technical responsibilities which include test site and test plan approval, review and approval of test results, and notification to DLA of qualifications/changes.

GVSC updates and publishes via the internet CATL 1922 and 1923 lists as directed by DLA

This approved tire list has been updated by GVSC as required by Defense Logistics Agency (DLA). It is prepared for Group 1, Off the road tires used in intermittent highway service, Group 2, earthmoving, mining and logging tires used for short hauls, fork-lift truck, mobile crane, shovels, mining car, front end loader and dozers, and Group 3, road grader tires (see Chapter II.B for explanations of each group). Tires listed in this CATL have been tested and/or approved for procurement by U.S. Federal, State and Local Government agencies. This list is based on the results of Qualification Testing as prescribed in ASTM F1923 and accompanying Administrative Manual CTQP-AM-1923, issue in effect at qualification test run. This list is subject to change without notice and revisions or amendments will be issued as necessary. The inclusion of tires on this list does not release the supplier from compliance with the specification requirements for tires supplied to the government.

The Cooperative Tire Qualification Program (CTQP) is a voluntary program designed to help ensure tire quality and

performance for Government agencies. There is no legal requirement or national government policy mandate for government agencies to use the CTQP or this CATL list when purchasing tires.

The process for tire approval is as follows:

1. Tire manufacturer selects a test tire which meets the requirements for a DLA managed tire National Stock Number (NSN). Inclusion of multiple MODEL/BRAND DESIGNATIONS within a Group will continue.
2. Tire manufacturer prepares and submits a detailed test plan conforming to ASTM F1923 to GVSC for review and approval.
3. Tire manufacturer selects a GVSC approved independent test facility or proposes an independent test facility for GVSC review and approval.
4. GVSC selects the reference tire.
5. Tire manufacturer contacts with the test facility to perform testing and notifies GVSC of the test schedule at least 30 days in advance.
6. Test results are certified by the independent test facility and a copy of the test results/final report are sent directly to GVSC.
7. GVSC reviews test results/report and notifies the tire manufacturer of the approval or disapproval decision within 30 days.
8. If approved, GVSC notifies DLA and SAIC to publish the updated CATL via the internet.

NOTES:

1. Since all tires produced by a particular manufacturer were not offered for testing, the omission of any tire from this CATL does not necessarily mean that the unlisted tire is either unsafe or inferior in quality.
2. CATL updates will now be published online within 10 days of tire approval.
3. All sizes and ply or load ratings for the tires models/brands shown in this CATL are acceptable.

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CHAPTER I – INTRODUCTION AND STANDARDS

I.A. INTRODUCTION

- 1. On the surface the CTQP program and CATL 1923 appear to be difficult to use. But using the CTQP program and CATL when making tire purchases can be easier if you understand what the CTQP and CATL are, how the CATL is formatted and what the various codes in the CATL signify.*
- 2. These instructions are designed to explain how to use the CTQP program and this CATL list when purchasing tires. These instructions do not apply to neither the earlier versions of the CATL nor the past GSA QPL.*
- 3. Because specific agency procurement guidelines dictate the methods in which government agencies procure tires the recommendations provided in this CATL are only suggestions on how you may use the CATL. When purchasing tires your specific procurement guidelines or rules always takes precedence.*

I.B. WHAT IS THE CTQP PROGRAM AND CATL LIST?

- 1. Before using the CATL and CTQP to make tire purchases, the government buyer should understand what the CATL and CTQP are. The following paragraphs help explain them.*
- 2. What exactly is the CTQP program? Technically the letters “CTQP” is an acronym that stands for “Cooperative Tire Qualification Program.” But in simple terms it’s a program that was developed to replace the past Federal Tire Program.*
- 3. For decades the Government would test and qualify tires for government purchase and tires that passed the tests were added to a list called the Qualified Products List (QPL). This list was used by many government agencies to help them make smart tire purchases. Because of streamlining and Acquisition Reform efforts, the Federal Tire qualification program was discontinued in January 1997 and many Federal or Military tire standards were deemed obsolete. However, because tires are usually one of the highest maintenance cost for vehicle fleets (typically only second to fuel), the U.S. Army seen a need and benefit to continue a modified program. As a result the CTQP program was developed. This CTQP program is similar to the past QPL program except that it is administered via contract using commercial standards.*

CHAPTER I – INTRODUCTION AND STANDARDS (continued)

I.B. WHAT IS THE CTQP PROGRAM AND CATL LIST? (continued)

4. *What is this CATL list? The letters “CATL” is an acronym that stands for “Cooperative Approved Tire List.” Basically the CATL is nothing more than an approved list of tires and manufacturers that have passed testing and technical reviews to certain standards.*

5. *This CATL document is published for Off-Road, Low Speed type tires.*

6. *Including this CATL document, there are many other elements which make up the CTQP Program such as test standards, administrative guidelines and a Cooperative Plant Quality Certification (CPQC) program for retreaders. The CTQP also has separate standards, guidelines and a different CATL available for Highway type tires.*

I.C. STANDARDS USED

1. *To become qualified in the CTQP and listed in this CATL-1 923 for Off-Road, Low Speed type tires, manufacturers products must be tested to meet or exceed ASTM Standard F1923, Test Method for Tires Pneumatic, Vehicular, Low Speed, Off Highway and CTQP-AM-1923, Administrators Approval and Requirements Manual for Tires Pneumatic, Vehicular, Low Speed, Off Highway.*

2. *Retreads: Retread processes must pass tests using the standards mentioned. In addition to testing, individual retread plants/facilities must also be inspected and certified to meet the quality requirements of CTQP-441, Administrator’s Approval and Requirements Manual.*

3. *In 1998 the standards used for the CTQP program were officially approved by the American Society of Testing and Materials (ASTM). A chart of the standards and names used for the CTQP program is shown on the next page. When referencing the CTQP program in contract solicitations use the names and standards indicated.*

CTQP NAMES AND STANDARDS

NAMES & STANDARDS
NAMES USED: <ul style="list-style-type: none">> CTQP – Cooperative Tire Qualification Program> CATL – Cooperative Approved Tire List> CPQC – Cooperative Plant Qualification Certification
STANDARDS FOR LOW-SPEED, OFF ROAD TIRES
<ul style="list-style-type: none">> ASTM Standard F1 923, Test Method for Tires, Pneumatic, Vehicular, Low Speed, Off Highway and CTQP-AM-1 923, Administrator’s Approval and Requirements Manual for Tires, Pneumatic, Vehicular, Low Speed, Off Highway> CATL-1923, Cooperative Approved Tire List (CATL) for Tires, Pneumatic, Vehicular, Low Speed, Off Highway
QUALITY STANDARDS USED FOR RETREADS
<ul style="list-style-type: none">> CTQP-441, Administrator’s Approval and Requirements Manual for Tires, Pneumatic, Retread and Repaired> Retread product must also pass the applicable tests using the test standards mentioned above

****Notes:**

(1) ASTM Standards may be ordered from:

*American Society of Testing and Materials (ASTM)
100 Bar Harbor Drive, West Conshohocken, PA 19428-2959
PHONE: 610-832-9500*

(2) CATL Publications are available on the following website:

<https://www.dla.mil/Land-and-Maritime/Business/Selling/Global-Tires-Program/>

CHAPTER II - CATL FORMAT, CODES & DEFINITIONS

II.A. FORMAT

1. *The CATL is formatted and sorted by tire group first, manufacturer or brand name owner second (alphabetically), then in sequence by assigned government item numbers and specific tire brand names. Other information listed are the qualified production points, qualification expiration dates, and tire class codes. Also in Appendix A you will find a complete list of manufacturers, retreaders or brand name owners addresses, telephone numbers and assigned CATL numbers.*

2. *This section helps explain the various groups, codes and reference numbers. As you are going through the definitions that follow, please refer to page 14 which shows a sample illustration page from a section of the CATL.*

II.B. TIRE GROUP DEFINITIONS

1. *Because there are a wide variety of tire sizes, and tire size designations, from one manufacturer to another, and tire size designations are constantly changing, most tires in this CATL list do not include the specific tire sizes. Instead, tires in this CATL are listed by group. These tire groups are based on generic vehicle applications. To properly use this CATL list to purchase replacement tires you must first determine what vehicle group your tires will be applied to.*

2. *There are three basic groups of common type tires applications. These groups are listed below.*

(a) Group 1: Off-the-Road tires used in intermittent highway service.

(b) Group 2: Earthmover, Mining and Logging tires used for short hauls, Fork-Lift, Mobile Cranes, Shovel, Mining Cars, Front End Loaders and Dozers.

(c) Group 3: Road Graders

II.C. GOVERNMENT ITEM NUMBER DEFINITIONS

All tires listed in this CATL have been assigned Government Item numbers. These numbers can be used to help identify a specific tire easier. More importantly, these numbers have codes that provide detailed information and an identity for each tire brand listed. An example, with explanations of each code of an assigned Government Item Number follows on the next page.

CHAPTER II - CATL FORMAT, CODES & DEFINITIONS (continued)

11.C. GOVERNMENT ITEM NUMBER DEFINITIONS (continued)

Example Government Item Number: X1.4.3BA/BB

- *The first position, “X” is the tire style. There are two styles; X which is a new tire or Y which is a retread tire. In this example this would be a new tire.*
- *The second position, “1” is the tire group. This example is a Group 1, Off-the-Road used in intermittent highway service*
- *The third position, “4” is the manufacturers assigned CATL number. All manufacturers are assigned CATL numbers and in this example the manufacturer of the tire would be Michelin Tire Corporation. See the list in Appendix A which shows all manufacturers assigned CATL numbers.*
- *The fourth position, “3” is a sequence number assigned to the specific tire brand name when it was listed. In this example this tire is the 3rd Michelin tire that was listed for Group 1.*
- *The fifth and six position, “BA/BB” identifies the construction of the tire and whether it is tube or tubeless. In this example the tire is of bias construction and is available as either tube or tubeless. The following explain what these style codes stand for:*
 - > *RA = Radial, Tubeless.*
 - > *RB = Radial, Tube Type*
 - > *BA = Bias, Tubeless.*
 - > *BB = Bias, Tube Type*
 - > *RA/RB = Radial, Tubeless or Tube Type > BA/BB = Bias, Tubeless or Tube Type*

CHAPTER II - CATL FORMAT, CODES & DEFINITIONS (continued)

II.D. TIRE CLASS DEFINITIONS

The CATL also shows a column of tire class codes assigned to each tire listed. These class codes provide details about the tire design and vehicle usage information. Explanations of these tire class codes follow. For more detailed tread class descriptions please refer to ASTM Standard F1 923 and Administrator Manual CTQP-AM 1923.

TIRE CLASS

"ML" = MINING AND LOGGING

"C" = COMPACTOR

"E" = EARTHMOVING

"L" = LOADER AND DOZER

"G" = GRADER

"TG" = TRACTION GRADER

"SAMPLE" CATL SECTION WITH DEFINITIONS

NOTE: Each section is lettered and an explanation is provided for each letter.

A	→	<u>GROUP 2, EARTHMOVING, MINING AND LOGGING TIRES</u>
B	→	MICHELIN TIRE CORPORATION
C	→	QUALIFIED PRODUCTION POINTS: ALL MICHELIN TIRE CORPORATION MANUFACTURING FACILITIES QUALIFICATION EXPIRATION DATE: 1 JANUARY, 2003
D	↓	GOVERNMENT ITEM NO.
E	↓	MODEL/BRAND DESIGNATION
F	↓	CLASS
X2.4.1RA/RB		XLDD1
X2.4.2RA/RB		XGLA
X2.4.3BA/BB		XMSD1
X2.4.4RA/RB		XRDNA
X2.4.5RA/RB		XKA
X2.4.6RA/RB		XHA
X2.4.7RA/RB		XRD1A
X2.4.8RA/RB		XMINE D1
X2.4.9RA/RB		XRD2
		L/G
		L/G
		L
		L/E
		L/E
		L/E/G
		L
		L
		L

SAMPLE CA TL PAGE DEFINITIONS

- A. This is the tire group. In this instance, this section list Group 2, Earthmover Tires
See page 6 for detailed group definitions.
- B. This is the name of the tire manufacturer, retreader or brand owner of all the tires listed below it.
- C. The first bullet tells what facilities may produce the tires. The second bullet indicates when the qualification for tires listed below it will expire.
- D. This is the Government Item Number: This is a number assigned to each tire once they are qualified. See page 7 for a breakdown of what this number means.
- E. These are the brand designations or names that the manufacturer has given the tires.
- F. This is the tire class code which tells the tire design and where and how the tire may be used.
Refer to page 8 for definitions of these codes.

CHAPTER III - USING THE CATL WHEN PURCHASING TIRES

Your specific procurement guidelines will dictate the specific contract language you use when purchasing tires. However the following is a step-by-step example of how you may use the CATL when purchasing tires.

STEP 1, IDENTIFY WHAT YOU NEED: *Identify the tire group you need to buy by looking at your vehicle applications and the tires you currently have. Provide a good description of the type and size for the tires you want to purchase in your contract solicitations. It's also recommended that you identify vehicle application info in your contracts when possible, as most manufacturers will match an appropriate tire for the application. When using the CATL to make purchases, make sure you identify the tire group and class. For example if you were purchasing replacement tires for a fleet of Caterpillar 130GS Graders, that were originally equipped with bias, 13.00-24 tire size, 8 ply Load Range, you could use the following description:*

EXAMPLE: Bias Tires, 13.00-24 Tire Size, 8 Ply Load Range, for application on 1986, Caterpillar 130GS Graders. Tires should be Group 3, Grader tires, G Tire Class as defined by the latest version of CATL- 1923.

STEP 2, REQUIRE CATL QUALIFICATION: *Require in your contract solicitation that the prospective tire manufacturer or supplier be CATL qualified and that the tire brand be listed in the CATL or that the manufacturer/supplier provide proof of CATL qualification with a Qualification Certification Form (these forms are issued to all manufacturers upon successful completion of qualification testing). Example language you could use is as follows:*

EXAMPLE: Prospective contractors and their tire brands submitted under this solicitation must be qualified and listed in the latest version of CATL 1923 or provide a Qualification Certification Form signed by the CATL program Administrator.

STEP 3, PUT IT ALL TOGETHER: *A complete example of contract language for purchasing new tires could be as follows:*

EXAMPLE: Tires are to be bias construction, 13.00-24 Tire Size, 8 Ply Load Range, for application on 1986, Caterpillar 130GS Graders. Tires should be Group 3, Grader tires, G Tire Class as defined by the latest version of CATL-1923. The prospective contractor(s) and their tire brand(s) submitted under this solicitation must be qualified and listed in the latest version of CATL 1923 or provide a Qualification Certification Form signed by the CATL program Administrator.

CHAPTER III - USING THE CATL WHEN PURCHASING TIRES (continued)

STEP 4 (for retreads): *For the obvious environmental and cost advantages, it's suggested that retreads be used to the maximum extent possible. Retread processes are also tested and listed in the CATL. However because quality may vary from one retread facility or franchise to another, each retread facility is also required to be inspected and certified annually to certain quality control standards (CTQP-441). Therefore the retreaders' process should not only be listed in the CATL but also the specific retread plant/facility should be able to provide a Cooperative Plant Quality Certification (CPQC).*

A complete example of contract language for purchasing retread services could be as follows:

EXAMPLE: Retread services for Bias Tires, 13.00-24 Tire Size, 8 Ply Load Range, for application on 1986, Caterpillar 130GS Graders. Retread tires should be Group 3, Grader tires, G Tire Class as defined by the latest version of CATL-1923. The prospective retread contractor process brand name(s) must be qualified and listed in the latest version of CATL 1923 or the retreader may supply a Qualification Certification Form signed by the CATL program Administrator. Prospective retread contractors must also provide a current copy of a Cooperative Plant Quality Certification (CPQC) which certifies compliance with CTQP-441 for any and all retread facilities or plants which will provide retread services under this contract.

STEP 5, VERIFY QUALIFICATIONS AND AWARD THE CONTRACT: *Verify the contractor(s) and tire(s) qualifications by checking what is proposed to the CATL list. For retreaders make sure they also supply a copy of CPQC facility certification. Award the contract or, if needed, further verify contractors qualifications by checking the following website:*

CHAPTER IV CATL-1 923 LISTING OF APPROVED TIRE BRANDS

Refer to Appendix A for a complete list of manufacturers, retreaders and brand name owners addresses, telephone numbers and manufacturers assigned CATL numbers.

GROUP 1, OFF ROAD TIRES, INTERMITTENT HIGHWAY SERVICE

BRIDGESTONE/FIRESTONE (U.S.A) INCORPORATED

- QUALIFICATION PRODUCTION POINTS: ALL BRIDGESTONE/FIRESTONE INC. OTR TIRE MANUFACTURING FACILITIES.
- QUALIFICATION TEST REFERENCE:SMITHERS F44330CW-0007F
- QUALIFICATION EXPIRATION DATE: 28 MAY, 2030

	DESIGNATION	CLASS	ITEM NO.
BRIDGESTONE RADIAL BRANDS:			
X1.1.1RA	VGT	E	
X1.1.2 RA/RB	VHS	E	
X1.1.3RA/RB	VSB	E/ML	
X1.1.4RB	VSW	E/L/G	

GROUP 1, OFF ROAD TIRES, INTERMITTENT HIGHWAY SERVICE
(CONTINUED)

MICHELIN NORTH AMERICA

- QUALIFIED PRODUCTION POINTS: ALL MICHELIN NORTH AMERICA MANUFACTURING FACILITIES.
- QUALIFICATION TEST REFERENCE: Smither's Project No. 23-1006887BS
- QUALIFICATION EXPIRATION DATE: 17 NOVEMBER 2033

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
X1.4.1RA	XZL	ML
X1.4.2RA	XML	ML
X1.4.3RA	X-CRANE +	ML/E/L
X1.4.4RA	XGC	ML/E/L
X1.4.5RA/RB	XSNOPLUS170E	ML/E/L
X1.4.6RA	X FORCE ZH	ML
X1.4.7RA	X FORCE ZL	ML

SPECIALTY TIRES AMERICA, INC.

- QUALIFIED PRODUCTION POINTS: ALL SPECIALTY TIRES AMERICA , INC. TIRE MANUFACTURING FACILITIES.
- QUALIFICATION TEST REFERENCE: STL Delivery Order: 88684 L3-177
- QUALIFICATION EXPIRATION DATE: October 3, 2033

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
X1.9.1BB	STA SUPERLUG SPECIAL	ML
X1.9.2BB	STA SUPER TRANSPORT	ML
X1.9.3BB	AMERICAN CONTRCTOR	E/L
X1.9.4BB	MINING SPECIAL	ML

GROUP 2, COMPACTOR, EARTHMOVER, LOADER TIRES

BRIDGESTONE/FIRESTONE (U.S.A) INCORPORATED

- QUALIFICATION PRODUCTION POINTS: ALL BRIDGESTONE/FIRESTONE INC. OTR TIRE MANUFACTURING FACILITIES.QUALIFICATION TEST REFERENCE: SMITHERS F44330CW-0007F
- QUALIFICATION EXPIRATION DATE: 28 MAY, 2030

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
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BRIDGESTONE BRANDS:

X2.1.1BB	ELS2	L
X2.1.2BA/BB	FG	E
X2.1.3BA/BB	FG	L
X2.1.4BA/BB	RL	L
X2.1.5BB	RLS	E/L
X2.1.6RA/RB	RR	E/L
X2.1.7BA/BB	STMS	L
X2.1.8RB	VCH	L
X2.1.9RB	VCHD	L
X2.1.10RA	VELS	L
X2.1.11RA	VFT	E
X2.1.12RA/RB	VG T	E
X2.1.13RA	VHB	E
X2.1.14RA/RB	VHS	E
X2.1.15RA	VHS2	E
X2.1.16RB	VJT	L/G
X2.1.17RA	VKT	E/L/G
X2.1.18RB	VL2	E/L
X2.1.19RB	VL T	E/L
X2.1.20RB	VLTS	E/L
X2.1.21RA	VMT	E/L
X2.1.22RB	VMTP	E
X2.1.23RA	VMTS	E
X2.1.24RA	VRDP	E
X2.1.25RA	VREP	E
X2.1.26RA	VREV	E
X2.1.27RA	VRF	E
X2.1.28RA	VRL	E
X2.1.29RA	VRLS	E
X2.1.30RA	VRPS	E
X2.1.31RB	VRQP	E
X2.1.32RA/RB	VS B	E/ML
X2.1.33RA	VSDL	L
X2.1.34RA/RB	VSDR	L
X2.1.35RA	VSDT	L/G
X2.1.36RB	VSJ	E
X2.1.37RA/RB	VSMS	L

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X2.1.38RA	VSMS2	L
X2.1.39RB	VSNL	L
X2.1.40RA	VSNT	E/L
X2.1.41RB	VSW	E/L/G
X2.1.42RB	VTS	E/L
X2.1.43RL	VUT	E/L/G
X2.1.44RA	VZTP	E
X2.1.45RA	VZTS	E

GROUP 2, COMPACTOR, EARTHMOVER, LOADER TIRES (CONTINUED)

- QUALIFICATION PRODUCTION POINTS: ALL BRIDGESTONE/FIRESTONE INC. OTR TIRE MANUFACTURING FACILITIES.
- QUALIFICATION TEST REFERENCE: STL BF0-0027,28,29, ARDL P/N 90305
- QUALIFICATION EXPIRATION DATE: 12 MAY, 2020
- QUALIFICATION PRODUCTION POINTS: ALL BRIDGESTONE/FIRESTONE INC. OTR TIRE MANUFACTURING FACILITIES.QUALIFICATION TEST REFERENCE: SMITHERS F44330CW-0007F
- QUALIFICATION EXPIRATION DATE: 28 MAY, 2030

GOVERNMENT	MODEL/BRAND DESIGNATION	ITEM NO CLASS
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FIRESTONE BRANDS:

X2.5.1BB	DURAFORCE MH	L/G
X2.5.2BA	DURALOAD DT	L
X2.5.3BA	DURALOAD SDT	L
X2.5.4BB	HALF TREAD LOADER DOZER	L
X2.5.5BB	PLAIN TREAD LOADER DOZER	L
X2.5.6BB	PLAIN TREAD LOADER DOZER UMS	L
X2.5.7BB	SAND CHAMPION	E
X2.5.8BA	SUPER DEEP TREAD LOADER DOZER	L
X2.5.9BB	SUPER GROUND GRIP	E/L/G
X2.5.10BB	SUPER GROUND GRIP LOADER DOZER	L/G
X2.5.11BA	SUPER GROUND GRIP MH	L/G
X2.5.12BA	SUPER GROUND GRIP ROAD BUILDER	L/G
X2.5.13BB	SUPER ROCK GRIP	E/L/G
X2.5.14BB	SUPER ROCK GRIP DEEP TREAD	E/L/G
X2.5.15BB	SUPER ROCK GRIP DEEP TREAD IND	L
X2.5.16BA	SUPER ROCK GRIP DEEP TREAD LOADER DOZER	E/L
X2.5.17BA/BB	SUPER ROCK GRIP INDUSTRIAL/MINING SERVICE	E
X2.5.18BB	SUPER ROCK GRIP LOADER DOZER	L/G
X2.5.19RA	VERSABUILT AP	E/L
X2.5.20RA	VERSABUILT AT	L/G
X2.5.21RA	VERSABUILT DT	E/L

GROUP 2, COMPACTOR, EARTHMOVER, LOADER TIRES (CONTINUED)

GOODYEAR TIRE & RUBBER COMPANY

- QUALIFIED PRODUCTION POINTS; ALL GOODYEAR TIRE & RUBBER COMPANY OTR MANUFACTURING FACILITIES.
- QUALIFICATION TEST REFERENCE: 23-1009032BS CATL 1923 23E002L99A
- QUALIFICATION EXPIRATION DATE: 28 FEBRUARY, 2034

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
BIAS TIRES:		
X2.8.1.BA/BB	American Miner	E/L/G/ML
X2.8.2.BA	DRL4/15C	L
X2.8.3.BA	ELV3A	E
X2.8.4.BA	ELV4B	E
X2.8.5.BA	ELV4D	E
X2.8.6.BA	ELV5A	E
X2.8.7.BA	ELV5D	E
X2.8.8.BA	GGL D/L-2A	E/ML/L
X2.8.9.BA	GRL D/L 3A	E/ML/L
X2.8.10.BA	HRL3A	E/ML
X2.8.11.BA	HRL3B	E
X2.8.12.BA	HRL3F	E
X2.8.13.BA	HRL4B	E
X2.8.14.BA	HRLDL4G	L
X2.8.15.BA	NDLDL5/15C	L
X2.8.16.BA	NRLDL5A	L
X2.8.17.BA	PVG7A	G
X2.8.18.BA	RKMS	E/ML/L
X2.8.19.BA	SGLDL2A	E/L/G
X2.8.20.BA	SMO5A	L
X2.8.21.BB	SMO5B	L
X2.8.22.BA	SMO5D	L
X2.8.23.BA/BB	SMO5E	L
X2.8.24.BA	SMODL5B	L
X2.8.25.BA	SMODL5C	L
X2.8.26.BA	SRB7A	E
X2.8.27.BA	TRMS	E/ML/L
X2.8.28.BB	UMS3A	E/ML/L
X2.8.29.BA	UMSDL3A	L
X2.8.30.BA/BB	WRL3A	E
X2.8.31.BB	XTR3B	E/ML/L
X2.8.32.BA	XTR3C	E/ML/L
X2.8.33.BA/BB	XTRWL	E
X2.8.75.BA	AMERICAN SKID STEER SSV-2A	E/L
X2.8.76.BA	AMERICAN SKID STEER SSL-2A	E/L
X2.8.77.BA	AMERICAN SKID STEER SST-3A	E/L
X2.8.78.BA	AMERICAN SKID STEER SSI-4A	E/L
X2.8.79.BA	AMERICAN BACKHOE F	E/L
X2.8.80.BA	AMERICAN BACKHOE	E/L
X2.8.81.BA	AMERICAN LOG SKIDDER	L

GROUP 2, COMPACTOR, EARTHMOVER, LOADER TIRES (CONTINUED)

GOODYEAR TIRE & RUBBER COMPANY

- QUALIFIED PRODUCTION POINTS: ALL GOODYEAR TIRE & RUBBER COMPANY OTR MANUFACTURING FACILITIES.
- QUALIFICATION TEST REFERENCE: **23-1009033BS CATL 1923 23E514L99B**
- QUALIFICATION EXPIRATION DATE: 28 FEBRUARY, 2034

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
RADIAL TIRES:		
X2.8.34.RA	AS3A	G/L/TG
X2.8.35.RA	AT2A	E/L/G
X2.8.36.RA	AT3A	E/L/G
X2.8.37.RA	EV3+	E
X2.8.38.RA/RB	EV4A	E
X2.8.39.RA	EV-4C	E
X2.8.40.RA	EV4J	E
X2.8.41.RA	EV4K	E
X2.8.42.RA	EV4R	E
X2.8.43.RA/RB	EV4S	E
X2.8.44.RA	EV5S	E
X2.8.45.RA	EVS4S	E
X2.8.46.RA	GP2B	E/L/G
X2.8.47.RA	GP3D	E/L
X2.8.48.RA	GP4D	E/L
X2.8.49.RA	GT4A	E/L
X2.8.50.RB	PG21RC	E/L/G
X2.8.51.RA	RL3+	E
X2.8.52.RA	RL3J	E
X2.8.53.RA	RL4B	E
X2.8.54.RA	RL4D	L
X2.8.55.RA	RL4H	E
X2.8.56.RA	RL4HII	E
X2.8.57.RA/RB	RL4J	E
X2.8.58.RA	RL4K	L
X2.8.59.RA	RL4L	E
X2.8.60.RA	RL4M+	E
X2.8.61.RA/RB	RL5K	L
X2.8.62.RA	RL5S	L
X2.8.63.RA	RM4A+	E
X2.8.64.RA	RM4B+	E
X2.8.65.RA	RT-3A	E
X2.8.66.RA	RT3A+	E
X2.8.67.RA	RT3B	E/L/G
X2.8.68.RA	RT4A	E
X2.8.69.RA	RT4A+	E
X2.8.70.RA	RT-4D	E
X2.8.71.RA	RT5D	L
X2.8.72.RA	SG2B	TG
X2.8.73.RA	SPT9	E/L/G
X2.8.74.RA	TL3A+	E/L/G

GROUP 2, COMPACTOR, EARTHMOVER, LOADER TIRES (CONTINUED)
MICHELIN NORTH AMERICA

- QUALIFIED PRODUCTION POINTS: ALL MICHELIN NORTH AMERICA MANUFACTURING FACILITIES.
- QUALIFICATION TEST REFERENCE: Smither's Project No. 23-1006887BS
- QUALIFICATION EXPIRATION DATE: 17 NOVEMBER 2033

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
X2.4.1RA	XLDD1	ML/E/L/G/TG
X2.4.2RA	XLDD2	ML/E/L
X2.4.3RA	XGLA2	G
X2.4.4RA	XSNOPUS	ML/E/L/G
X2.4.5RA	XTLA	ML/E/L/G/TG
X2.4.6RA	XVC	ML/E/L
X2.4.7RA	XHA	ML/E/L
X2.4.8RA	XHA2	ML/E/L
X2.4.9RA	XHD1	ML/E/L
X2.4.10RA	XLD L3	ML/E/L
X2.4.11RA	XAD65-1	ML/E
X2.4.12RA	XTS	ML/E
X2.4.13RA/RB	XK	ML/E
X2.4.14RA	XDC	E
X2.4.15RA	XMS	E
X2.4.16RA	XRS	E
X2.4.17RA	X-TRACTION	E
X2.4.18RA	X-TRACTION S	E
X2.4.19RA	XSMD2+	ML/E/L
X2.4.20RA/RB	XMNED2	ML/E/L
X2.4.21RA	X TERMINAL	E
X2.4.22RA	XLC	C
X2.4.23RA	XLISSE	C
X2.4.24RARB	XMHS	ML/E
X2.4.25RA	XF	E
X2.4.26RA	XADN+	ML/E
X2.4.27RA	X Super Terrain +	ML/E
X2.4.28RA	XAD65-1 +	ML/E
X2.4.29RA	XTRA POWER	ML/E/L
X2.4.30RA	XTRA DEFEND	ML/E/L
X2.4.31RA	CROSSGRIP	L
X2.4.32RB	XDR3	ML/E
X2.4.33RB	XTRA LOAD PROTECT	ML/E
X2.4.34RA	XTRA LOAD GRIP	ML/E

GROUP 2, COMPACTOR, EARTHMOVER, LOADER TIRES (CONTINUED)
SPECIALTY TIRES AMERICA, INC.

- QUALIFIED PRODUCTION POINTS: ALL SPECIALTY TIRES AMERICA , INC. TIRE MANUFACTURING FACILITIES.
- TEST REFERENCE NUMBER: STL Delivery Order: 81039 L2-239
- QUALIFICATION EXPIRATION DATE: SEPTEMBER 6, 2032

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
X2.9.1BA/BB	American Carrier	E/L
X2.9.2BA/BB	American Contractor	E/L
X2.9.3BA/BB	American Contractor Rock Traxion	E
X2.9.4BA/BB	American Contractor XT3	E/L
X2.9.5BA/BB	Big Jake	L
X2.9.6BA/BB	Rock Service	E/L
X2.9.7BA/BB	Super Grader	E/L
X2.9.8BA/BB	Super Lug	E/L
X2.9.9BA/BB	Mining Special	ML

GROUP 2, COMPACTOR, EARTHMOVER, LOADER TIRES (CONTINUED)**TITAN TIRE CORPORATION**

- QUALIFIED PRODUCTION POINTS: ALL TITAN TIRE CORPORATION MANUFACTURING FACILITIES
- QUALIFICATION TEST REFERENCE: SMITHERS PROJECT NUMBER F52865BS-036JH
- QUALIFICATION EXPIRATION DATE: 28 FEBRUARY, 2033

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
X2.10.1BA/BB	MOTOR GRADER H.D	L/TG
X2.10.2BA	NDL LCM	E/L
X2.10.3BA	ROCK RIB LCM	E
X2.10.4BA	DTL	E
X2.10.5BA	ALL DUTY	E/L
X2.10.6BA	TL-100	E
X2.10.7BA/BB	LCM	E
X2.10.8BA	SL-100	E
X2.10.9BA	CM-100	E
X2.10.10BA	XG-3	E
X2.10.11BA	ND LCM MCS	E
X2.10.12BA	SUPER LCM	E/L
X2.10.13BA	ND SUPER LCM	E
X2.10.14BA	CM 150	E/L
X2.10.15BA	CRL-150	E
X2.10.16BA	XG-4	E
X2.10.17BA	HCT	E
X2.10.18BA/BB	LCM	E/L
X2.10.19BA	LCM UMS	E
X2.10.20BB	ND SUPER LUGGER II	E
X2.10.21BB	LOADER GRADER	L/G
X2.10.22BA	LD LOADER GRADER	L
X2.10.23BA	LD ALL DUTY	L
X2.10.24BA	LD ND LCM	L
X2.10.25BA	LD-100	L
X2.10.26BA	LD-150 (ALL MODELS)	L
X2.10.27BA	LD-250 (ALL MODELS)	L
X2.10.28BA	ND LCM WIDE BASE	E
X2.10.29BA	CM-100 WIDE BASE	E
X2.10.30BA	CM-150 WIDE BASE	E
X2.10.31BA	SUPER SAND FLOTATION	E/L
X2.10.32BA	CH-150	E/L
X2.10.34BA	SUPER SMOOTH (ALL MODELS)	L
X2.10.35BA	MCS	E
X2.10.36BA/BB	SUPER RIGGER	G/E/L
X2.10.37BA/BB	SUPER RIGGER II	G/L

GROUP 2, COMPACTOR, EARTHMOVER, LOADER TIRES (CONTINUED)

TITAN TIRE CORPORATION

- QUALIFIED PRODUCTION POINTS: ALL TITAN TIRE CORPORATION MANUFACTURING FACILITIES
- QUALIFICATION TEST REFERENCE: SMITHERS PROJECT QUOTE NO. 23-1005608BS
- QUALIFICATION EXPIRATION DATE: 25 AUGUST, 2033

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
X2.10.70RA/RB	TGL2	L/TG
X2.10.71RA/RB	DTH4	E
X2.10.72RA/RB	TG2	E
X2.10.73RA/RB	TGD2	E/L
X2.10.75RA/RB	STL3	E/L
X2.10.76RA/RB	STL2+	E/L
X2.10.77RA/RB	DTE4	E

GROUP 3, ROAD GRADER TIRES
BRIDGESTONE/FIRESTONE(U.S.A) INCORPORATED

- QUALIFICATION PRODUCTION POINTS: ALL BRIDGESTONE/FIRESTONE INC. OTR TIRE MANUFACTURING FACILITIES.
- QUALIFICATION TEST REFERENCE: SMITHERS F44330CW-0007F
- QUALIFICATION EXPIRATION DATE: 28 MAY, 2030

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
BRIDGESTONE BRANDS:		
X3.1.1BA/BB	RL	TG
X3.1.2RA	VJT	E/L/G
X3.1.3RB	VKT	E/G
X3.1.4RB	VMT	L/G
X3.1.5RB	VSB	E/G
X3.1.6RA	VSDT	L/G
X3.1.7RB	VSW	E/G/TG
X3.1.8RA	VSWAS	E/G
X3.1.9RB	VTS	L/G
FIRESTONE BRANDS:		
X3.5.1BA/BB	DURAFUCE MH	L/G
X3.5.2BA/BB	SUPER GROUND GRIP	E/L/G
X3.5.3BA/BB	SUPER GROUND GRIP LOADER DOZER	L/G
X3.5.4BA	SUPER GROUND GRIP MATERIAL HANDLER	L/G/TG
X3.5.5BA/BB	SUPER GROUND GRIP ROAD BUILDER	L/G/TG
X3.5.6BA/BB	SUPER ROCK GRIP	E/L/G
X3.5.7BA	SUPER ROCK GRIP DEEP TREAD ROAD BUILDER	E/L/G/TG
X3.5.8BA	SUPER ROCK GRIP LOADER DOZER	L/G

GOODYEAR TIRE & RUBBER COMPANY

- QUALIFIED PRODUCTION POINTS; ALL GOODYEAR TIRE & RUBBER COMPANY OTR MANUFACTURING FACILITIES.
- QUALIFICATION TEST REFERENCE: 23-1009032BS CATL 1923 23E002L99A, 23-1009033BS CATL 1923 23E514L99B
- QUALIFICATION EXPIRATION DATE: 28 February, 2034

GOVERN. ITEM NO.	MODEL /BRAND DESIGNATION	CLASS
BIAS TIRES:		
X3.8.1.BA	American Miner	E/L/G
X3.8.2.BA	SGLDL2A	E/L/G
X3.8.3.BA	PVG7A	G
RADIAL TIRES:		
X3.8.4.RA	AS3A	G/L/TG
X3.8.5.RA	AT2A	E/L/G
X3.8.6.RA	AT3A	E/L/G
X3.8.7.RA	GP2B	E/L/G
X3.8.8.RB	PG21RC	E/L/G
X3.8.9.RA	RT3B	E/L/G
X3.8.10.RA	SG2B	TG
X3.8.11.RA	SPT9	E/L/G
X3.8.12.RA	TL3A+	E/L/G

GROUP 3, ROAD GRADER TIRES (CONTINUED)

MICHELIN NORTH AMERICA

- QUALIFIED PRODUCTION POINTS: ALL MICHELIN NORTH AMERICA MANUFACTURING FACILITIES.
- QUALIFICATION TEST REFERENCE: Smither's Project No. 23-1006887BS
- QUALIFICATION EXPIRATION DATE: 17 NOVEMBER 2033

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
X3.4.1RA	XGLA2	G/L
X3.4.2RA	XHA	G/L
X3.4.3RA	XHA2	G/L
X3.4.4RA	XTLA	G/L/TG
X3.4.5RA	XLDD1	G/L/TG
X3.4.6RA	XLDD2	G/L
X3.4.7RA	XSNOPUS	G/L
X3.4.8RA	XLD L3	G/L

SPECIALTY TIRES AMERICA, INC.

- QUALIFIED PRODUCTION POINTS: ALL SPECIALTY TIRES AMERICA , INC. TIRE MANUFACTURING FACILITIES.
- TEST REFERENCE NUMBER: STL Delivery Order: 81039 L2-239
- QUALIFICATION EXPIRATION DATE: SEPTEMBER 6, 2032

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
X3.9.1BA/BB	SUPER GRADER	E/G/L
X3.9.2BA/BB	AMERICAN CONTRACTOR	E/G/L
X3.9.3BA/BB	SUPER LUG	E/G/L

TITAN TIRE CORPORATION

- QUALIFIED PRODUCTION POINTS: ALL TITAN TIRE CORPORATION MANUFACTURING FACILITIES
- QUALIFICATION TEST REFERENCE: SMITHERS PROJECT NUMBER F52865BS-036JH
- QUALIFICATION EXPIRATION DATE: 28 FEBRUARY, 2033

GOVERNMENT ITEM NO.	MODEL/BRAND DESIGNATION	CLASS
X3.10.1BA/BB	SUPER RIGGER	G/E/L
X3.10.2BA/BB	MOTOR GRADER HD	L/T/G
X3.10.3BA/BB	LIFT RIGGER II	L/G
X3.10.4BA/BB	SUPER GRADER	TG
X3.10.5BA/BB	SUPER RIGGER II	G/L
X3.10.6BA/BB	LOADER GRADER	G/TG
X3.10.7BA	LD ALL DUTY	TG
X3.10.8BA	LD LOADER GRADER	TG
X3.10.9BA	LOADER GRADER III	G/TG
X3.10.10BA	HD2000II	TG

GROUP 3, ROAD GRADER TIRES (CONTINUED)

TITAN TIRE CORPORATION

- QUALIFIED PRODUCTION POINTS: ALL TITAN TIRE CORPORATION MANUFACTURING FACILITIES
- QUALIFICATION TEST REFERENCE: SMITHERS PROJECT QUOTE NO. 23-1005608BS
- QUALIFICATION EXPIRATION DATE: 25 AUGUST, 2033

<u>GOVERNMENT ITEM NO.</u>	<u>MODEL/BRAND DESIGNATION</u>	<u>C L A S S</u>
X3.10.14RA/RB	TG2	G/TG
X3.10.15RA/RB	TGS2	G/TG
X3.10.16RA/RB	TGL2	L/TG

APPENDIX A:

TIRE MANUFACTURERS ASSIGNED CATL NUMBERS

Note: These numbers are for reference purposes only and do not reflect any type of quality ranking.

- 1- BRIDGESTONE/FIRESTONE, INC. "BRIDGESTONE" BRAND.
- 2- ALLIANCE TIRE COMPANY
- 3- NOT ASSIGNED
- 4- MICHELIN NORTH AMERICA
- 5- BRIDGESTONE/FIRESTONE, INC. "FIRESTONE" BRAND.
- 6- CONTINENTAL TIRE NORTH AMERICA
- 7- NOT ASSIGNED
- 8- GOODYEAR TIRE & RUBBER COMPANY
- 9- SPECIALTY TIRES AMERICA, INC.
- 10- TITAN TIRE CORPORATION
- 11- NOT ASSIGNED
- 12- YOKOHAMA TIRE CORPORATION

APPENDIX A (CONTINUED):

ADDRESS & TELEPHONE NUMBERS

ALLIANCE TIRE COMPANY

4 Second Ave., Ste. 106,
Denville, NJ 07834
CATL Inquiries: (973) 664-9100

BRIDGESTONE/FIRESTONE(U.S.A) INCORPORATED

200 4th Avenue South
Nashville, TN 37201

CATL Inquiries: (615)937-1000

CONTINENTAL TIRE NORTH AMERICA

1800 Continental Boulevard
Charlotte, NC 28273
CATL Inquiries: (704) 583-8837

GOODYEAR TIRE & RUBBER COMPANY

200 Innovation Way
Akron, OH 44316-0001
CATL Inquiries: (888) 453-0021

MICHELIN NORTH AMERICA

Government Sales
One Parkway South
Greenville, SC 29615-5022
CATL Inquiries: (864) 458-6968

Government Sales
P.O. BOX 19001
Greenville, SC 29602-9001

TYRES INTERNATIONAL INCORPORATED

619 East Tallmadge
Akron, OH 44310
CATL Inquiries: (330) 374-1000

TITAN TIRE CORPORATION

2345 E. Market St.,
Des Moines, IA 50306
CATL Inquiries: (515) 265-9429

SPECIALTY TIRES AMERICA, INC.

1600 Washington St.
P.O. Box 749
Indiana, Pennsylvania 15701-0749
CATL Inquiries: (724) 349-9010

YOKOHAMA TIRE CORPORATION

601 S. Acacia Avenue
Fullerton, CA 92631
CATL Inquiries: (800) 423-0577