

# UMLER Car Codes

NOTE: UMLER stand for Universal Machine Language Equipment Register

| Type of car  | Sub-Type               | First Digit | Second Digit  |          |           | Third Digit |                   |        |        |           |             |
|--------------|------------------------|-------------|---------------|----------|-----------|-------------|-------------------|--------|--------|-----------|-------------|
|              |                        |             | Inside Length | Standard | Cushioned | Capacity    | Single Door Width |        |        |           | Double Door |
|              |                        |             |               |          |           |             | 6 feet            | 8 feet | 9 feet | 10 feet + |             |
| Boxcar       | Standard               | B           | < 50 feet     | 4        | D         | < 70 Tons   | A                 | D      | G      | J         | M           |
|              |                        |             | 50 blt 60 ft  | 5        | E         | 70 blt 90 T | B                 | E      | H      | K         | N           |
|              |                        |             | 60 blt 70 ft  | 6        | F         | > 90 Tons   | C                 | F      | I      | L         | O           |
|              |                        |             | > 70 ft       | 7        | G         |             |                   |        |        |           |             |
| Boxcar       | DF                     | D           | Inside Length |          |           | Cushioned   | C                 |        |        |           |             |
|              |                        |             | < 49 feet     | 4        |           |             |                   |        |        |           |             |
|              |                        |             | 49 blt 58 ft  | 5        |           | Not Cushio  | U                 |        |        |           |             |
|              |                        |             | 58 blt 70 ft  | 6        |           |             |                   |        |        |           |             |
|              |                        |             | > 70 ft       | 7        |           |             |                   |        |        |           |             |
| All Door     | A                      |             |               |          |           |             |                   |        |        |           |             |
| Roof Hatch   | H                      |             |               |          |           |             |                   |        |        |           |             |
| Boxcar       | DF Insulated           | I (eye)     | Inside Length |          |           | Cushioned   | C                 |        |        |           |             |
|              |                        |             | < 49 feet     | 4        |           |             |                   |        |        |           |             |
|              |                        |             | 49 blt 58 ft  | 5        |           | Not Cushio  | U                 |        |        |           |             |
|              |                        |             | 58 blt 70 ft  | 6        |           |             |                   |        |        |           |             |
| > 70 ft      | 7                      |             |               |          |           |             |                   |        |        |           |             |
|              |                        |             |               |          |           |             |                   |        |        |           |             |
| Boxcar       | Load Divider           | L           | Inside Length |          |           | Side Filler | S                 |        |        |           |             |
|              |                        |             | < 52 feet     | 4        |           |             |                   |        |        |           |             |
|              |                        |             | 52 blt 58 ft  | 5        |           | Air Pack    | A                 |        |        |           |             |
|              |                        |             | 58 blt 70 ft  | 6        |           |             |                   |        |        |           |             |
| > 70 ft      | 7                      |             | Other         | O        |           |             |                   |        |        |           |             |
|              |                        |             |               |          |           |             |                   |        |        |           |             |
| Boxcar       | Load Divider Insulated | J           | Inside Length |          |           | Side Filler | S                 |        |        |           |             |
|              |                        |             | < 52 feet     | 4        |           |             |                   |        |        |           |             |
|              |                        |             | 52 blt 58 ft  | 5        |           | Air Pack    | A                 |        |        |           |             |
| 58 blt 70 ft | 6                      |             | Other         | O        |           |             |                   |        |        |           |             |
|              |                        |             |               |          |           |             |                   |        |        |           |             |

|                |              |                          |               |               |                |              |           |  |
|----------------|--------------|--------------------------|---------------|---------------|----------------|--------------|-----------|--|
|                |              | > 70 ft                  | 7             |               |                |              |           |  |
| Boxcar         | Food Loading | X                        | Inside Length |               | Cushioned      | C            |           |  |
|                |              |                          | < 49 feet     | 4             |                |              |           |  |
|                |              |                          | 49 blt 60 ft  | 5             |                |              |           |  |
|                |              |                          | 60 blt 70 ft  | 6             |                |              |           |  |
|                |              |                          | > 70 ft       | 7             |                |              |           |  |
| Covered Hopper | C            | Capacity in cubic feet   |               | Load Capacity | Circular Hatch | Trough Hatch |           |  |
|                |              | < 2900                   | 2             | < 90 tons     | S              | R            |           |  |
|                |              | 2.9k blt 4k              | 3             | > 90 tons     | L              | T            |           |  |
|                |              | 4k blt 5k                | 4             | Pressure      | P              |              |           |  |
|                |              | 5k blt 6k                | 5             | Differential  |                |              |           |  |
|                |              | 6k blt 7k                | 6             |               |                |              |           |  |
|                |              | > 7k                     | 7             |               |                |              |           |  |
|                |              | Airslide                 | A             |               |                |              |           |  |
| Engine         | E            | N                        |               | G             |                |              |           |  |
| Flat Car       | F            | Bulkhead                 |               | B             | Length         | Standard     | Cushioned |  |
|                |              | Woodrack                 | W             | < 50 feet     | 4              | D            |           |  |
|                |              | Center Beam              | L             | 50 blt 60 ft  | 5              | E            |           |  |
|                |              | Misc. Equiped            | E             | 60 blt 70 ft  | 6              | F            |           |  |
|                |              | Plain Flat Inside Length |               | Capacity      |                |              |           |  |
|                |              | < 49 feet                | 4             | < 70 Tons     | A              |              |           |  |
|                |              | 49 blt 60 ft             | 5             | 70 blt 100    | B              |              |           |  |
|                |              | 60 blt 70 ft             | 6             | > 100 Tons    | C              |              |           |  |
|                |              | 70 blt 80 ft             | 7             |               |                |              |           |  |
|                |              | 80 blt 90 ft             | 8             |               |                |              |           |  |
|                |              | > 90 ft                  | 9             |               |                |              |           |  |
|                |              | Chained Flat             |               | C             | Length         |              |           |  |
|                |              |                          |               |               | < 49 feet      | 4            |           |  |
|                |              |                          | 49 blt 60 ft  | 5             |                |              |           |  |

|         |   |                        |              |                   |            |                       |                       |                  |                  |
|---------|---|------------------------|--------------|-------------------|------------|-----------------------|-----------------------|------------------|------------------|
|         |   |                        | 60 blt 70 ft | 6                 |            |                       |                       |                  |                  |
|         |   |                        | > 70 ft      | 7                 |            |                       |                       |                  |                  |
|         |   | Heavy Duty Flat        | H            | Type              |            |                       |                       |                  |                  |
|         |   |                        |              | Well              |            | W                     |                       |                  |                  |
|         |   |                        |              | Depressed         |            | D                     |                       |                  |                  |
|         |   |                        |              | FM over 100 T     |            | M                     |                       |                  |                  |
|         |   |                        |              | Special Equipment |            | S                     |                       |                  |                  |
| Gondola | G | Inside Length          |              | Capacity          |            | Single Rotary Coupler | Double Rotary Coupler | Wood Chip        |                  |
|         |   | < 50 feet              | 4            | < 70 Tons         | A          | D                     | G                     | W                |                  |
|         |   | 50 blt 60 ft           | 5            | 70 blt 90 T       | B          | E                     | H                     | W                |                  |
|         |   | 60 blt 70 ft           | 6            | > 90 Tons         | C          | F                     | I                     | W                |                  |
|         |   | > 70 ft                | 7            |                   |            |                       |                       |                  |                  |
|         |   | Inside Length          |              | Capacity          | Equiped    | Covered               | Coil                  |                  |                  |
|         |   | < 50 feet              | 4            | < 70 Tons         | J          | M                     | P                     |                  |                  |
|         |   | 50 blt 60 ft           | 5            | 70 blt 90 T       | K          | N                     | Q                     |                  |                  |
|         |   | 60 blt 70 ft           | 6            | > 90 Tons         | L          | O                     | R                     |                  |                  |
|         |   | > 70 ft                | 7            |                   |            |                       |                       |                  |                  |
| Hopper  | H | Capacity in Cubic Feet |              | Capacity          | Cross Dump | Center & Side Dump    | Roof                  | 1 Rotary Coupler | 2 Rotary Coupler |
|         |   | < 3k                   | 2            | < 70 Tons         | A          | G                     | T                     | F                | Q                |
|         |   | 3k blt 4k              | 3            | 70 blt 90 T       | B          | H                     | T                     | E                | R                |
|         |   | 4k blt 5k              | 4            | > 90 Tons         | C          | I                     | T                     | D                | S                |
|         |   | 5k blt 6k              | 5            |                   |            |                       |                       |                  |                  |
|         |   | 6k blt 7k              | 6            |                   |            |                       |                       |                  |                  |
|         |   | > 7k                   | 7            |                   |            |                       |                       |                  |                  |
| Reefer  | R | Inside Length          |              | Mechanica         | P          |                       |                       |                  |                  |
|         |   | < 49 feet              | 4            | Load Divid        | L          |                       |                       |                  |                  |
|         |   | 49 blt 58 ft           | 5            | Misc.             | M          |                       |                       |                  |                  |
|         |   | 58 blt 70 ft           | 6            |                   |            |                       |                       |                  |                  |
|         |   | > 70 ft                | 7            |                   |            |                       |                       |                  |                  |
|         |   | Capacity in Gallons    |              | Commodity         |            |                       |                       |                  |                  |

|      |   |                 |   |          |    |
|------|---|-----------------|---|----------|----|
| Tank | T | < 6.5k          | 0 | Acid     | AC |
|      |   | 6.5k blt 7.5k   | 1 | Ammonia  | AM |
|      |   | 7.5k blt 9.5k   | 2 | Asphalt  | AS |
|      |   | 9.5k blt 10.5k  | 3 | Diesel   | D  |
|      |   | 10.5k blt 18.5k | 4 | Food     | F  |
|      |   | 18.5k blt 21.5k | 5 | Gasoline | G  |
|      |   | 21.5k blt 24.5k | 6 | Kaolin   | K  |
|      |   | 24.5k blt 27.5k | 7 | Propane  | P  |
|      |   | 27.5k blt 31.5k | 8 |          |    |
|      |   | > 31.5k         | 9 |          |    |