

# 400/60R18 148A8/143D NOKIAN TYRES HAKKAPELIITTA TRI SB TL

Precise control and great efficiency

|                          |                        |
|--------------------------|------------------------|
| PRODUCT CODE             | T445667                |
| TIRE CLASSIFICATION CODE | R-4                    |
| APPLICATION              | Tractor / Wheel loader |
| LI / SPEED SYMBOL        | 148A8 (143D)           |
| RIM RECOMMENDED          | 13                     |
| TYPE APPROVAL            | E8 106R-001573         |



## LOAD CAPACITY FOR TRACTOR, KG

### Constant load

| Pressure (kPa) | Speed (km/h) |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                | 0            | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   |
| 80             | 2180         | 1380 | 1190 | 1075 | 1040 | 1005 | 990  | 975  | 950  | 925  | 890  | 865  | 850  | 825  |
| 120            | 2800         | 1770 | 1525 | 1380 | 1335 | 1295 | 1270 | 1250 | 1220 | 1185 | 1145 | 1115 | 1090 | 1060 |
| 160            | 3390         | 2145 | 1850 | 1670 | 1620 | 1570 | 1540 | 1515 | 1480 | 1440 | 1390 | 1350 | 1325 | 1285 |
| 200            | 3695         | 2340 | 2015 | 1820 | 1765 | 1710 | 1680 | 1650 | 1610 | 1570 | 1510 | 1470 | 1440 | 1400 |
| 240            | 4090         | 2590 | 2230 | 2015 | 1955 | 1890 | 1860 | 1830 | 1785 | 1735 | 1675 | 1630 | 1595 | 1550 |
| 280            | 4490         | 2840 | 2450 | 2210 | 2140 | 2075 | 2040 | 2005 | 1955 | 1905 | 1835 | 1785 | 1750 | 1700 |
| 320            | 4885         | 3090 | 2665 | 2405 | 2330 | 2255 | 2220 | 2185 | 2130 | 2070 | 2000 | 1945 | 1905 | 1850 |
| 360            | 5440         | 3440 | 2965 | 2680 | 2595 | 2515 | 2470 | 2430 | 2370 | 2305 | 2225 | 2165 | 2120 | 2060 |
| 400            | 5915         | 3740 | 3225 | 2910 | 2820 | 2735 | 2690 | 2645 | 2575 | 2510 | 2420 | 2350 | 2305 | 2240 |
| 450            | 6600         | 4175 | 3600 | 3250 | 3150 | 3050 | 3000 | 2950 | 2875 | 2800 | 2700 | 2625 | 2575 | 2500 |
| 500            | 7195         | 4550 | 3925 | 3545 | 3435 | 3325 | 3270 | 3215 | 3135 | 3050 | 2945 | 2860 | 2805 | 2725 |

**Cyclic load**

| Pressure (kPa) | Speed (km/h) |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                | 0            | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   |
| 80             | 2180         | 1585 | 1425 | 1270 | 1170 | 1055 | 1015 | 980  | 950  | 925  | 890  | 865  | 850  | 825  |
| 120            | 2800         | 2035 | 1835 | 1630 | 1505 | 1355 | 1305 | 1260 | 1220 | 1185 | 1145 | 1115 | 1090 | 1060 |
| 160            | 3390         | 2465 | 2225 | 1980 | 1825 | 1645 | 1580 | 1530 | 1480 | 1440 | 1390 | 1350 | 1325 | 1285 |
| 200            | 3695         | 2690 | 2420 | 2155 | 1990 | 1790 | 1720 | 1665 | 1610 | 1570 | 1510 | 1470 | 1440 | 1400 |
| 240            | 4090         | 2975 | 2680 | 2385 | 2200 | 1985 | 1905 | 1845 | 1785 | 1735 | 1675 | 1630 | 1595 | 1550 |
| 280            | 4490         | 3265 | 2940 | 2620 | 2415 | 2175 | 2090 | 2025 | 1955 | 1905 | 1835 | 1785 | 1750 | 1700 |
| 320            | 4885         | 3550 | 3200 | 2850 | 2625 | 2370 | 2275 | 2200 | 2130 | 2070 | 2000 | 1945 | 1905 | 1850 |
| 360            | 5440         | 3955 | 3565 | 3170 | 2925 | 2635 | 2535 | 2450 | 2370 | 2305 | 2225 | 2165 | 2120 | 2060 |
| 400            | 5915         | 4300 | 3875 | 3450 | 3180 | 2865 | 2755 | 2665 | 2575 | 2510 | 2420 | 2350 | 2305 | 2240 |
| 450            | 6600         | 4800 | 4325 | 3850 | 3550 | 3200 | 3075 | 2975 | 2875 | 2800 | 2700 | 2625 | 2575 | 2500 |
| 500            | 7195         | 5230 | 4715 | 4195 | 3870 | 3490 | 3350 | 3245 | 3135 | 3050 | 2945 | 2860 | 2805 | 2725 |

**TIRE DIMENSIONS**

|                         | New tire | Max. in service |
|-------------------------|----------|-----------------|
| OVERALL DIAMETER        | 950 mm   | 970 mm          |
| TIRE WIDTH              | 400 mm   | 424 mm          |
| PATTERN DEPTH           | 26 mm    |                 |
| MAX. INFLATION PRESSURE | 500 kPa  |                 |

STATIC LOADED RADIUS 427 mm @ 3150 kg / 500 kPa

DYNAMIC ROLLING CIRCUMFERENCE 2870 mm @ 3150 kg / 500 kPa

DYNAMIC ROLLING RADIUS 457 mm @ 3150 kg / 500 kPa

SPEED RADIUS INDEX 450

TUBELESS VALVE TR618A

BELT MATERIAL Steel

MARKINGS M+S

STUDDABLE Yes  
Marked stud positions on tread  
Number of studs 120 pcs  
Recommended stud 9-15

VOLUME 145 l 100%  
109 l 75%

**WATER AND SALT BALLASTING**

(CaCl<sub>2</sub>, 75%, -30°C) Always use a tube when filled with water/salt.

| Tire volume 100% |         | Water filling 75% |         | Water/salt filling (75% / -30°C) |         |      |     | Total weight increase |     |
|------------------|---------|-------------------|---------|----------------------------------|---------|------|-----|-----------------------|-----|
|                  |         |                   |         | Water                            |         | Salt |     |                       |     |
| Litres           | Gallons | Litres            | Gallons | Litres                           | Gallons | kg   | lbs | kg                    | lbs |
| 145              | 38      | 109               | 29      | 89                               | 24      | 45   | 100 | 134                   | 295 |

NOKIAN TYRES PLC is a full member of ETRTO and affiliated member of TRA. In design and production, we certify that products made in Nokian factory (YL) are according the ETRTO and TRA standards.

The tire has been manufactured and tested in accordance with the requirements of ISO 9001 and ISO 14001. Nokian Tyres Plc has the following certificates:

- Quality Management System Standard, ISO 9001, Certificate No: 76363-2010-AQ-FIN-FINAS
- Environmental Management System Standard, ISO 14001, Certificate No: 76361-2010-AE-FIN-FINAS

More information: [www.nokiantyres.com/heavy/technical-tire-manual/](http://www.nokiantyres.com/heavy/technical-tire-manual/)