

# 440/80R24 154A8/149D NOKIAN TYRES HAKKAPELIITTA TRI SB TL

Precise control and great efficiency

|                          |                        |
|--------------------------|------------------------|
| PRODUCT CODE             | T445634                |
| EQUIVALENT SIZE          | 16.9R24                |
| TIRE CLASSIFICATION CODE | R-4                    |
| APPLICATION              | Tractor / Wheel loader |
| LI / SPEED SYMBOL        | 154A8 (149D)           |
| RIM RECOMMENDED          | DW14L                  |
| RIM PERMITTED            | DW15L                  |
| TYPE APPROVAL            | E8 106R-001569         |



## LOAD CAPACITY FOR TRACTOR, KG

### Constant load

| Pressure<br>(kPa) | Speed (km/h) |      |          |      |      |      |             |      |      |      |      |      |      |      |
|-------------------|--------------|------|----------|------|------|------|-------------|------|------|------|------|------|------|------|
|                   | 0            | 5    | 10<br>LT | 15   | 20   | 25   | 30<br>10 HT | 35   | 40   | 45   | 50   | 55   | 60   | 65   |
| 80                | 3960         | 2505 | 2160     | 1950 | 1890 | 1830 | 1800        | 1770 | 1725 | 1680 | 1620 | 1575 | 1545 | 1500 |
| 120               | 5015         | 3175 | 2735     | 2470 | 2395 | 2320 | 2280        | 2240 | 2185 | 2130 | 2050 | 1995 | 1955 | 1900 |
| 160               | 6070         | 3840 | 3310     | 2990 | 2900 | 2805 | 2760        | 2715 | 2645 | 2575 | 2485 | 2415 | 2370 | 2300 |
| 200               | 6800         | 4300 | 3710     | 3350 | 3245 | 3140 | 3090        | 3040 | 2960 | 2885 | 2780 | 2705 | 2650 | 2575 |
| 240               | 7195         | 4550 | 3925     | 3545 | 3435 | 3325 | 3270        | 3215 | 3135 | 3050 | 2945 | 2860 | 2805 | 2725 |
| 280               | 7920         | 5010 | 4320     | 3900 | 3780 | 3660 | 3600        | 3540 | 3450 | 3360 | 3240 | 3150 | 3090 | 3000 |
| 320               | 8580         | 5430 | 4680     | 4225 | 4095 | 3965 | 3900        | 3835 | 3740 | 3640 | 3510 | 3415 | 3350 | 3250 |

## Cyclic load

| Pressure<br>(kPa) | Speed (km/h) |      |          |      |      |      |             |      |      |      |      |      |      |      |
|-------------------|--------------|------|----------|------|------|------|-------------|------|------|------|------|------|------|------|
|                   | 0            | 5    | 10<br>LT | 15   | 20   | 25   | 30<br>10 HT | 35   | 40   | 45   | 50   | 55   | 60   | 65   |
| 80                | 3960         | 2880 | 2595     | 2310 | 2130 | 1920 | 1845        | 1785 | 1725 | 1680 | 1620 | 1575 | 1545 | 1500 |
| 120               | 5015         | 3650 | 3285     | 2925 | 2700 | 2430 | 2335        | 2260 | 2185 | 2130 | 2050 | 1995 | 1955 | 1900 |
| 160               | 6070         | 4415 | 3980     | 3540 | 3265 | 2945 | 2830        | 2735 | 2645 | 2575 | 2485 | 2415 | 2370 | 2300 |
| 200               | 6800         | 4945 | 4455     | 3965 | 3655 | 3295 | 3165        | 3065 | 2960 | 2885 | 2780 | 2705 | 2650 | 2575 |
| 240               | 7195         | 5230 | 4715     | 4195 | 3870 | 3490 | 3350        | 3245 | 3135 | 3050 | 2945 | 2860 | 2805 | 2725 |
| 280               | 7920         | 5760 | 5190     | 4620 | 4260 | 3840 | 3690        | 3570 | 3450 | 3360 | 3240 | 3150 | 3090 | 3000 |
| 320               | 8580         | 6240 | 5625     | 5005 | 4615 | 4160 | 4000        | 3870 | 3740 | 3640 | 3510 | 3415 | 3350 | 3250 |

## TIRE DIMENSIONS

|                          | New tire | Max. in service |
|--------------------------|----------|-----------------|
| OVERALL DIAMETER         | 1294 mm  | 1342 mm         |
| TIRE WIDTH               | 435 mm   | 463 mm          |
| PATTERN DEPTH            | 26 mm    |                 |
| PATTERN DEPTH ON TIE BAR |          |                 |
| MAX. INFLATION PRESSURE  | 320 kPa  |                 |

|                               |                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------|
| STATIC LOADED RADIUS          | 585 mm @ 3750 kg / 320 kPa                                                                |
| DYNAMIC ROLLING CIRCUMFERENCE | 3921 mm @ 3750 kg / 320 kPa                                                               |
| DYNAMIC ROLLING RADIUS        | 624 mm @ 3750 kg / 320 kPa                                                                |
| SPEED RADIUS INDEX            | 625                                                                                       |
| TUBELESS VALVE                | TR618A                                                                                    |
| BELT MATERIAL                 | Steel                                                                                     |
| MARKINGS                      | M+S                                                                                       |
| STUDDABLE                     | Yes<br>Marked stud positions on tread<br>Number of studs 168 pcs<br>Recommended stud 9-15 |
| VOLUME                        | 325 l 100%<br>244 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 |
| 325              | 86      | 244               | 64      | 200                              | 53      | 102  | 225 | 302                   | 666 |

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/)