# 340/80R18 143A8/138D NOKIAN TYRES TRI 2 SB TL

**Reliable performance all year round**

| | |
|---|---|
| **PRODUCT CODE** | T445391 |
| **EQUIVALENT SIZE** | 12.5R18 |
| **TIRE CLASSIFICATION CODE** | R-4 |
| **APPLICATION** | Tractor / Wheel loader |
| **LI / SPEED SYMBOL** | 143A8 (138D) |
| **RIM RECOMMENDED** | 11 |
| **RIM PERMITTED** | W11, 10, W10, 12, W12 |
| **TYPE APPROVAL** | E8 106R-001629 |

## LOAD CAPACITY FOR TRACTOR, KG

### Constant load

| **Pressure** (kPa) | **Speed** (km/h) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **0** | **5** | **10 LT** | **15** | **20** | **25** | **30 10 HT** | **35** | **40** | **45** | **50** | **55** | **60** | **65** |
| 80 | 2310 | 1460 | 1260 | 1140 | 1105 | 1070 | 1050 | 1035 | 1005 | 980 | 945 | 920 | 900 | 875 |
| 120 | 2955 | 1870 | 1615 | 1455 | 1410 | 1365 | 1345 | 1320 | 1290 | 1255 | 1210 | 1175 | 1155 | 1120 |
| 160 | 3590 | 2270 | 1960 | 1770 | 1715 | 1660 | 1630 | 1605 | 1565 | 1525 | 1470 | 1430 | 1400 | 1360 |
| 200 | 3960 | 2505 | 2160 | 1950 | 1890 | 1830 | 1800 | 1770 | 1725 | 1680 | 1620 | 1575 | 1545 | 1500 |
| 240 | 4225 | 2670 | 2305 | 2080 | 2015 | 1950 | 1920 | 1890 | 1840 | 1790 | 1730 | 1680 | 1650 | 1600 |
| 280 | 4620 | 2925 | 2520 | 2275 | 2205 | 2135 | 2100 | 2065 | 2015 | 1960 | 1890 | 1840 | 1805 | 1750 |
| 320 | 5150 | 3255 | 2810 | 2535 | 2455 | 2380 | 2340 | 2300 | 2245 | 2185 | 2105 | 2050 | 2010 | 1950 |
| 360 | 5595 | 3540 | 3055 | 2755 | 2670 | 2585 | 2545 | 2500 | 2440 | 2375 | 2290 | 2225 | 2185 | 2120 |
| 400 | 6230 | 3940 | 3400 | 3070 | 2975 | 2880 | 2830 | 2785 | 2715 | 2645 | 2550 | 2480 | 2430 | 2360 |

## Cyclic load

| Pressure (kPa) | Speed (km/h) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 5 | 10 LT | 15 | 20 | 25 | 30 10 HT | 35 | 40 | 45 | 50 | 55 | 60 | 65 |
| 80 | 2310 | 1680 | 1515 | 1350 | 1245 | 1120 | 1075 | 1040 | 1005 | 980 | 945 | 920 | 900 | 875 |
| 120 | 2955 | 2150 | 1940 | 1725 | 1590 | 1435 | 1380 | 1335 | 1290 | 1255 | 1210 | 1175 | 1155 | 1120 |
| 160 | 3590 | 2610 | 2355 | 2095 | 1930 | 1740 | 1675 | 1620 | 1565 | 1525 | 1470 | 1430 | 1400 | 1360 |
| 200 | 3960 | 2880 | 2595 | 2310 | 2130 | 1920 | 1845 | 1785 | 1725 | 1680 | 1620 | 1575 | 1545 | 1500 |
| 240 | 4225 | 3070 | 2770 | 2465 | 2270 | 2050 | 1970 | 1905 | 1840 | 1790 | 1730 | 1680 | 1650 | 1600 |
| 280 | 4620 | 3360 | 3030 | 2695 | 2485 | 2240 | 2155 | 2085 | 2015 | 1960 | 1890 | 1840 | 1805 | 1750 |
| 320 | 5150 | 3745 | 3375 | 3005 | 2770 | 2495 | 2400 | 2320 | 2245 | 2185 | 2105 | 2050 | 2010 | 1950 |
| 360 | 5595 | 4070 | 3670 | 3265 | 3010 | 2715 | 2610 | 2525 | 2440 | 2375 | 2290 | 2225 | 2185 | 2120 |
| 400 | 6230 | 4530 | 4085 | 3635 | 3350 | 3020 | 2905 | 2810 | 2715 | 2645 | 2550 | 2480 | 2430 | 2360 |

## TIRE DIMENSIONS

| | New tire | Max. in service |
|---|---|---|
| OVERALL DIAMETER | 1002 mm | 1023 mm |
| TIRE WIDTH | 341 mm | 360 mm |
| PATTERN DEPTH | 25 mm | |
| PATTERN DEPTH ON TIE BAR | 21 mm | |
| MAX. INFLATION PRESSURE | 400 kPa | |

| | |
|---|---|
| STATIC LOADED RADIUS | 453 mm @ 2725 kg / 400 kPa |
| DYNAMIC ROLLING CIRCUMFERENCE | 3010 mm @ 2725 kg / 400 kPa |
| DYNAMIC ROLLING RADIUS | 479 mm @ 2725 kg / 400 kPa |
| SPEED RADIUS INDEX | 475 |
| TUBELESS VALVE | TR618A |
| BELT MATERIAL | Steel |
| MARKINGS | M+S |
| STUDDABLE | Yes<br>Marked stud positions on tread<br>Number of studs 144 pcs<br>Recommended stud 12-20 |
| VOLUME | 145 l 100%<br>109 l 75% |

## WATER AND SALT BALLASTING

(CaCl2, 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/