

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

Precise control and great efficiency

PRODUCT CODE	T445665
TIRE CLASSIFICATION CODE	R-4
APPLICATION	Wheel loader / Tractor
LI / SPEED SYMBOL	143A8 (138D)
RIM RECOMMENDED	11
TYPE APPROVAL	E8 106R-001571



## LOAD CAPACITY FOR WHEEL LOADER, KG

### Constant load

Pressure (kPa)	Speed (km/h)													
	0	5	10	15	20	25	30	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	15	20	25	30	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	1001 mm	1023 mm
TIRE WIDTH	328 mm	360 mm
PATTERN DEPTH	24 mm	
MAX. INFLATION PRESSURE	400 kPa	

STATIC LOADED RADIUS	452 mm @ 2725 kg / 400 kPa
DYNAMIC ROLLING CIRCUMFERENCE	3031 mm @ 2725 kg / 400 kPa
DYNAMIC ROLLING RADIUS	482 mm @ 2725 kg / 400 kPa
SPEED RADIUS INDEX	475
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	140 l 100% 105 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
140	37	105	28	86	23	44	97	130	287

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/)