

# 400/70R20 149A8/144D NOKIAN TYRES HAKKAPELIITTA TRI SB TL

Precise control and great efficiency

PRODUCT CODE	T445636
EQUIVALENT SIZE	16.0/70R20
TIRE CLASSIFICATION CODE	R-4
APPLICATION	Wheel loader / Tractor
LI / SPEED SYMBOL	149A8 (144D)
RIM RECOMMENDED	13
TYPE APPROVAL	E8 106R-001570



## 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	2720	1720	1485	1340	1300	1255	1235	1215	1185	1155	1110	1080	1060	1030
120	3485	2205	1900	1715	1665	1610	1585	1560	1520	1480	1425	1385	1360	1320
160	4355	2755	2375	2145	2080	2015	1980	1945	1900	1850	1780	1735	1700	1650
200	4750	3005	2590	2340	2270	2195	2160	2125	2070	2015	1945	1890	1855	1800
240	5015	3175	2735	2470	2395	2320	2280	2240	2185	2130	2050	1995	1955	1900
280	5595	3540	3055	2755	2670	2585	2545	2500	2440	2375	2290	2225	2185	2120
320	6070	3840	3310	2990	2900	2805	2760	2715	2645	2575	2485	2415	2370	2300
360	6800	4300	3710	3350	3245	3140	3090	3040	2960	2885	2780	2705	2650	2575
400	7390	4675	4030	3640	3530	3415	3360	3305	3220	3135	3025	2940	2885	2800

## Cyclic load

Pressure (kPa)	Speed (km/h)													
	0	5	10	15	20	25	30	35	40	45	50	55	60	65
80	2720	1980	1780	1585	1465	1320	1265	1225	1185	1155	1110	1080	1060	1030
120	3485	2535	2285	2035	1875	1690	1625	1570	1520	1480	1425	1385	1360	1320
160	4355	3170	2855	2540	2345	2110	2030	1965	1900	1850	1780	1735	1700	1650
200	4750	3455	3115	2770	2555	2305	2215	2140	2070	2015	1945	1890	1855	1800
240	5015	3650	3285	2925	2700	2430	2335	2260	2185	2130	2050	1995	1955	1900
280	5595	4070	3670	3265	3010	2715	2610	2525	2440	2375	2290	2225	2185	2120
320	6070	4415	3980	3540	3265	2945	2830	2735	2645	2575	2485	2415	2370	2300
360	6800	4945	4455	3965	3655	3295	3165	3065	2960	2885	2780	2705	2650	2575
400	7390	5375	4845	4310	3975	3585	3445	3330	3220	3135	3025	2940	2885	2800

## TIRE DIMENSIONS

	New tire	Max. in service
OVERALL DIAMETER	1071 mm	1090 mm
TIRE WIDTH	394 mm	424 mm
PATTERN DEPTH	26 mm	
PATTERN DEPTH ON TIE BAR		
MAX. INFLATION PRESSURE	400 kPa	

STATIC LOADED RADIUS 485 mm @ 3250 kg / 400 kPa

DYNAMIC ROLLING CIRCUMFERENCE 3231 mm @ 3250 kg / 400 kPa

DYNAMIC ROLLING RADIUS 514 mm @ 3250 kg / 400 kPa

SPEED RADIUS INDEX 500

TUBELESS VALVE TR618A

BELT MATERIAL Steel

MARKINGS M+S

STUDDABLE Yes  
Marked stud positions on tread  
Number of studs 168 pcs  
Recommended stud 9-15

VOLUME 180 l 100%  
135 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
180	48	135	36	111	29	56	124	167	368

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/)