

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, LB

Constant load

Pressure (psi)	Speed (mph)													
	0	2.5	5	10	12	15	17.5	22.5	25	27.5	30	35	37.5	40
12	5995	3790	3275	2955	2865	2765	2725	2680	2610	2545	2445	2380	2335	2270
17	7685	4860	4190	3780	3670	3550	3495	3440	3350	3265	3140	3055	3000	2910
23	9600	6075	5235	4730	4585	4440	4365	4290	4190	4080	3925	3825	3750	3640
29	10470	6625	5710	5160	5005	4840	4760	4685	4565	4440	4290	4165	4090	3970
35	11055	7000	6030	5445	5280	5115	5025	4940	4815	4695	4520	4400	4310	4190
41	12335	7805	6735	6075	5885	5700	5610	5510	5380	5235	5050	4905	4815	4675
46	13380	8465	7295	6590	6395	6185	6085	5985	5830	5675	5480	5325	5225	5070
52	14990	9480	8180	7385	7155	6925	6810	6700	6525	6360	6130	5965	5840	5675
58	16290	10305	8885	8025	7780	7530	7410	7285	7100	6910	6670	6480	6360	6175

Cyclic load

Pressure (psi)	Speed (mph)													
	0	2.5	5	10	12	15	17.5	22.5	25	27.5	30	35	37.5	40
12	5995	4365	3925	3495	3230	2910	2790	2700	2610	2545	2445	2380	2335	2270
17	7685	5590	5040	4485	4135	3725	3585	3460	3350	3265	3140	3055	3000	2910
23	9600	6990	6295	5600	5170	4650	4475	4330	4190	4080	3925	3825	3750	3640
29	10470	7615	6865	6105	5635	5080	4885	4720	4565	4440	4290	4165	4090	3970
35	11055	8045	7240	6450	5950	5355	5150	4980	4815	4695	4520	4400	4310	4190
41	12335	8975	8090	7200	6635	5985	5755	5565	5380	5235	5050	4905	4815	4675
46	13380	9735	8775	7805	7200	6495	6240	6030	5830	5675	5480	5325	5225	5070
52	14990	10900	9820	8740	8060	7265	6980	6755	6525	6360	6130	5965	5840	5675
58	16290	11850	10680	9500	8765	7905	7595	7340	7100	6910	6670	6480	6360	6175

TIRE DIMENSIONS

	New tire	Max. in service
OVERALL DIAMETER	42.2 in	42.9 in
TIRE WIDTH	15.5 in	16.7 in
PATTERN DEPTH	33/32 in	
PATTERN DEPTH ON TIE BAR		
MAX. INFLATION PRESSURE	58 psi	

STATIC LOADED RADIUS	19.1 in @ 7150 lb / 58 psi
DYNAMIC ROLLING CIRCUMFERENCE	127.2 in @ 7150 lb / 58 psi
DYNAMIC ROLLING RADIUS	20.2 in @ 7150 lb / 58 psi
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	48 gallons 100% 36 gallons 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
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/