500/70R24 164A8/159D NOKIAN TYRES TRI 2 SB TL

Reliable performance all year round

PRODUCT CODE	T445467
EQUIVALENT SIZE	19.5LR24
TIRE CLASSIFICATION CODE	R-4
APPLICATION	Tractor / Wheel loader
LI / SPEED SYMBOL	164A8 (159D)
RIM RECOMMENDED	DW16L
RIM PERMITTED	DW15L, DW18L
TYPE APPROVAL	E8 106R-001645

LOAD CAPACITY FOR TRACTOR, LB

Constant load

Pressure (psi)	**Speed** (mph)													
	0	**2.5**	**5 LT**	**10**	**12**	**15**	**17.5 5 HT**	**22.5**	**25**	**27.5**	**30**	**35**	**37.5**	**40**
12	9315	5885	5080	4585	4440	4300	4235	4165	4055	3945	3815	3705	3640	3525
17	11995	7585	6535	5910	5720	5545	5445	5355	5225	5080	4905	4775	4675	4540
23	14550	9205	7935	7165	6945	6725	6615	6505	6340	6175	5950	5785	5675	5510
29	15860	10030	8655	7815	7575	7330	7210	7090	6910	6725	6495	6305	6185	6010
35	16875	10680	9205	8310	8060	7805	7670	7540	7350	7165	6900	6715	6580	6395
41	18915	11970	10320	9315	9030	8740	8600	8455	8245	8025	7740	7530	7385	7165
46	20655	13075	11265	10175	9865	9545	9390	9235	9005	8765	8455	8225	8060	7825
52	23280	14725	12700	11465	11110	10760	10580	10405	10140	9875	9525	9260	9085	8820
58	25465	16105	13890	12545	12160	11775	11575	11385	11090	10805	10415	10130	9930	9645

Cyclic load

Pressure (psi)	Speed (mph)													
	0	2.5	5 LT	10	12	15	17.5 5 HT	22.5	25	27.5	30	35	37.5	40
12	9315	6770	6105	5435	5005	4520	4345	4200	4055	3945	3815	3705	3640	3525
17	11995	8720	7860	6990	6450	5810	5590	5400	5225	5080	4905	4775	4675	4540
23	14550	10580	9535	8490	7825	7055	6780	6560	6340	6175	5950	5785	5675	5510
29	15860	11530	10395	9250	8530	7695	7385	7155	6910	6725	6495	6305	6185	6010
35	16875	12280	11055	9845	9085	8180	7860	7605	7350	7165	6900	6715	6580	6395
41	18915	13755	12400	11035	10175	9170	8820	8530	8245	8025	7740	7530	7385	7165
46	20655	15025	13535	12050	11110	10020	9625	9315	9005	8765	8455	8225	8060	7825
52	23280	16930	15255	13580	12520	11290	10845	10495	10140	9875	9525	9260	9085	8820
58	25465	18520	16690	14860	13700	12345	11860	11475	11090	10805	10415	10130	9930	9645

TIRE DIMENSIONS

	New tire	Max. in service
OVERALL DIAMETER	51.5 in	52.7 in
TIRE WIDTH	20.3 in	20.8 in
PATTERN DEPTH	35/32 in	
PATTERN DEPTH ON TIE BAR	30/32 in	
MAX. INFLATION PRESSURE	58 psi	

STATIC LOADED RADIUS	23 in @ 11000 lb / 58 psi
DYNAMIC ROLLING CIRCUMFERENCE	155.8 in @ 11000 lb / 58 psi
DYNAMIC ROLLING RADIUS	24.8 in @ 11000 lb / 58 psi
SPEED RADIUS INDEX	625
TUBE VALVE	TR218A
TUBELESS VALVE	TR618A
BELT MATERIAL	Steel
MARKINGS	M+S
STUDDABLE	Yes Marked stud positions on tread Number of studs 168 pcs Recommended stud 12-20,12-23,12-24
VOLUME	110 gallons 100% 83 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
415	110	311	82	255	67	130	287	385	849

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/