

500/45-22.5 24 160A8 NOKIAN TYRES GROUND KARE SF TL

Excavator and backhoe loader tire for versatile contracting work

PRODUCT CODE	T445868
APPLICATION	Wheeled excavator
LI / SPEED SYMBOL	160A8
PLY RATING	24
	AG16.00
RIM RECOMMENDED	Always make sure that rim is suitable for intended use. Please see Nokian Tyres rim recommendations.
RIM PERMITTED	AG18.00
TYPE APPROVAL	E8 106R-002793



LOAD CAPACITY FOR WHEELED EXCAVATOR, LB

Constant load

Pressure (psi)	Speed (mph)										
	0	2.5	5	10	12	15	17.5	22.5	25	27.5	30
52	14705	9270	7990	7220	6965	6780	6645	6525	6395	6140	5820
58	15975	10075	8685	7850	7575	7365	7220	7090	6945	6670	6315
65	18000	11355	9790	8840	8530	8300	8135	7980	7825	7520	7120
73	19655	12390	10680	9655	9315	9060	8885	8720	8545	8200	7770
80	21550	13590	11720	10595	10220	9930	9745	9555	9370	8995	8530
87	22820	14385	12400	11210	10815	10515	10320	10120	9920	9525	9030

TIRE DIMENSIONS

	New tire	Max. in service
OVERALL DIAMETER	40.8 in	41.5 in
TIRE WIDTH	19.6 in	21.4 in
PATTERN DEPTH	30/32 in	
PATTERN DEPTH ON TIE BAR		
MAX. INFLATION PRESSURE	87 psi	

STATIC LOADED RADIUS	18.6 in @ 9900 lb / 87 psi
DYNAMIC ROLLING CIRCUMFERENCE	123.1 in @ 9900 lb / 87 psi
DYNAMIC ROLLING RADIUS	19.6 in @ 9900 lb / 87 psi
SPEED RADIUS INDEX	500
TUBE PRODUCT CODE	T56435
TUBE VALVE	TR218A
TUBELESS VALVE	TR618A
BREAKER MATERIAL	Steel
STUDDABLE	Yes
VOLUME	45 gallons 100% 34 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
170	45	128	34	105	28	53	118	158	348

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/