TABLE I – DIAGONAL (BIAS) PLY LOG SKIDDER DRIVE WHEEL TIRES USED IN LOGGING OR FORESTRY SERVICE OTHER THAN ON CABLE OR GRAPPLE SKIDDERS

TIRE TYPE NOMENCLATURE		MAX SPEED SPEED INDEX
TRA	TIRE TYPE	A6
LS-2	Intermediate Tread	20 mph
LS-3	Deep Tread	20 mph

BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

TIRE SIZE	INFLATION	LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES					
	psi	20	25	30	35	40	50
	kPa	140	170	210	240	280	340
16.9-30	lbs	4400	5080	5680 (10)	6150	6600 (14)	
	kg	2000	2300	2575 (10)	2800	3000 (14)	
18.4-26	lbs	4940	5680 (10)	6400 (12)			
	kg	2240	2575 (10)	2900 (12)			
18.4-34	lbs	5680	6400 (10)				
	kg	2575	2900 (10)				
23.1B26	lbs	7150 (10)	8250	9100 (14)	9900 (16)	10700 (20)	
	kg	3250 (10)	3750	4125 (14)	4500 (16)	4875 (20)	
24.5B32	lbs	8800	9900 (12)	11000 (16)	12000 (18)		
	kg	4000	4500 (12)	5000 (16)	5450 (18)		
LOW SECTION HEIGHT							
28LB26	lbs	8250 (12)	9350 (14)	10500 (16)			
	kg	3750 (12)	4250 (14)	4750 (16)			
30.5LB32	lbs	10500 (12)	11700 (16)	13200 (20)	14300	15700 (26)	17600 (32)
	kg	4750 (12)	5300 (16)	6000 (20)	6500	7100 (26)	8000 (32)
35.5LB32	lbs	13900 (16)	16100 (20)	17600 (24)	19300	20900 (30)	
	kg	6300 (16)	7300 (20)	8000 (24)	8750	9500 (30)	

NOTES:

1. Figures in parentheses denote ply rating for which boldface loads and inflations are maximum.
2. For shipping purposes, tire inflation pressures may be increased to 30 psi (210 kPa). Consult tire manufacturer for minimum tire shipping pressure. This higher inflation pressure must be reduced to operating inflation pressure BEFORE the skidder is removed from the carrier.
3. "Tire Load Limit" for log skidders is defined as the maximum load for an individual tire due to the total radial forces imposed on the tire DURING OPERATION. This maximum load includes total vehicle weight with accessories plus load increases caused by log winching or grappling loads and weight transfers.
4. For grapple and cable skidders, refer to Table J on page 147.
5. For load and carry type of logging operations such as loaders equipped with log forks and feller-bunchers with maximum speed of 5 mph (10 km/h), above tire load limits may be increased 50% [with 5 psi (35 kPa) increase in inflation pressure]. Maximum length of carry is 500 feet (150 meters).
6. When used as duals, tire loads and tangential pull values must be reduced. Multiply figures in table by .88.
7. Consult rim and wheel manufacturer for rims for this type of service.
8. For transport service and operations that do not require sustained high torque, the load limits shown below at various speeds apply.

MAX. SPEED	% CHANGE IN ABOVE LOADS	CHANGE IN INFL. PRESSURE
Stationary	+170%	+5 psi (35 kPa)
10 mph (15 km/h)	+20%	None
15 mph (25 km/h)	+10%	None
20 mph (30 km/h)	Same As Table	None
25 mph (40 km/h)	-10%	None

FOR RIM AND WHEEL LOAD INFORMATION, SEE IMPORTANT NOTES ON PAGES 168-172.