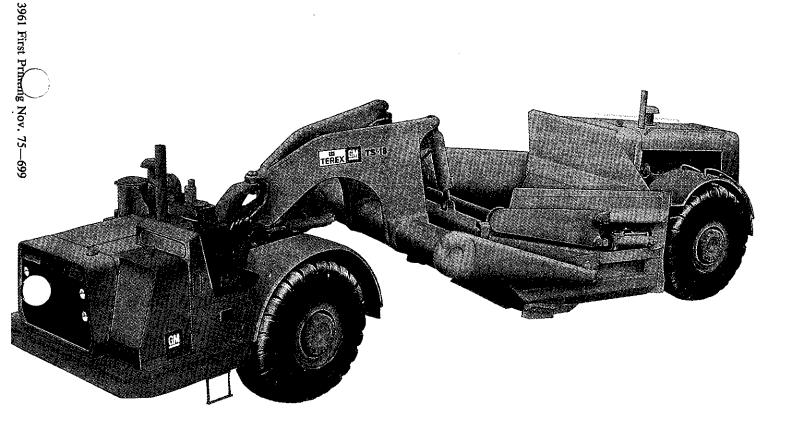
TEREX TS-18 SCRAPER





517 Flywheel HorsepowerAll-Wheel Drive60,000 Pound Payload

TEREX TS-18 SCRAPER MODEL 33TOT-92SH

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Or Low Toy Trong Cobole 7	
CAPACITY	TIRES AND RIMS (Tractor and Scraper)
Struck Measure (S.A.E. Rating)	Tire Size Rim Size Standard - 29.5 x 29 - 34 PR, E-3
TRACTOR (33TOT)	Radial Steel Cord Tires available in 29.5x29 and 29.5x35 sizes. Tires are mounted on demountable rims NOTE: Productivity and performance capabilities of TEREX scrapers are such that under specific job conditions the Ton-MPH capability
General Motors 8V-71N, 2 Cycle Diesel NOTE: Two separate throttle controls for front and rear engines may be used separately or together.	of Standard or Optional tires conditions the Ton-MFH capability of Standard or Optional tires can be exceeded. Operation above the Ton-MPH rating may lead to premature tire problems. TEREX recommends that the user consult the tire manufacturer, and evaluate all job conditions in order to make the proper tire selection.
Gross tractor HP @ 2100 RPM318 Flywheel HP @ 2100 RPM292	ELECTRICAL
NOTE: Above ratings at sea level and 60°F. (15.5°C.). Gross horse- power rating includes standard engine equipment such as water pump, fuel pump and lubricating oil pump. Flywheel horsepower is the net horsepower after deduction from gross horsepower for fan, alternator and air compressor requirements.	Direct electric starting, 24 volt GM. Two heavy duty 12 volt 205 amp-hr batteries. Ventilated 50 amp alternator.
Number of cylinders	SERVICE DATA
Bore and stroke	Water cooling system
	SCRAPER (92SH)
Allison Torqmatic transmission with 400 series single stage converter. Automatic converter lock-up is standard in top five speed ranges. Torqmatic transmission has spur planetary gearing. Six speeds forward, one reverse. Full powershifting through hydraulically actuated multiple disc clutches. Ratios: 1st 4.00:1 2nd 2.82:1 3rd 2.00:1 4th 1.41:1 5th 1.00:1 6th 0.71:1 Reverse 4.77:1 Transfer Case 1.28:1 Stall speed 1.665 - 1765 RPM Maximum speed 2100 RPM 1.31.2 MPH (50.2 km/hr) TORQUE CONVERTER—Allison TC-490 Mounted integral with transmission. Maximum torque multiplication 2.60:1 DRIVE AXLE Heavy duty, full floating axle with TEREX 305 single reduction bevel gear differential and planetary reduction in each wheel. Ratios: Differential 3.62:1 Planetary 4.59:1 Total Reduction 16.62:1 STEERING SYSTEM Full hydraulic type provided by two single stage, double acting cylinders. Full 90° swing to either right or left. Steering cylinder bore	ENGINE General Motors 6V-71N, 2 Cycle Diesel Gross scraper HP @ 2100 RPM
and stroke	DRIVE AXLE Heavy duty, full floating TEREX 'T' type with single reduction bevel gear differential and planetary reduction in each wheel. NoSPIN differential is standard. Ratios same as tractor.
BRAKES (Tractor and Scraper)	CONTROLS
Two shoe internal expanding type. Emergency braking system and air-water separator are standard. Brake Lining: Diameter	Three lever control allows independent operation of the apron, bowl, and ejector. The bowl lever is equipped with a trigger which allows single-lever control of bowl and apron. CUTTING EDGE Four section cutting edge with variable length drop center. All blades are interchangeable and reversible.
Lining area—scraper axle	Cutting edge dimensions16.00" x 29.81" x 1" (406,4 mm x 757,2 mm x 25,4 mm)

BOWL

Bowl employs two single stage, double acting cylinders to exert positive down pressure on cutting edge. Cylinders are interchangeable. Bowl cylinder bore and stroke7.00" x 26.50" (177,8 mm x 673,1 mm) Maximum available hydraulic down pressure on cutting edge134,000 lbs. (60782 kg) Maximum down pressure on

cutting edge @ rated payload125,000 lbs. (56700 kg) Maximum down pressure on

cutting edge @ NVW 56,000 lbs. (25402 kg)

True radial design, power closing apron operated by two double acting cylinders. Cylinders act directly on apron arms which are located outside the bowl for non-binding operation. Maximum opening for easy ejection. Cylinders are interchangeable. Apron cylinder bore and

Apron closing force, any bowl position,

EJECTION

Positive roll-out ejector. Powered by one, single stage, single acting cylinder.

Ejector cylinder bore and

stroke9.17" x 24.97" (232,9 mm x 634,2 mm)

HYDRAULIC SYSTEM

Hydraulic system has full flow filtration with one tandem pump for steering and scraper controls.

Type	Gear
Drive	Gear
Capacity @ 2100 RPM	=0.00th (400.0 line)
& 1850 psi	52 GPM (196,8 liter/min)
System pressure @ 1500 RPI	M1850 psi (130 kg/cm²).

SERVICE DATA	U.S. Gal. (liters)
Water cooling system	18 gals. (_68,1)
Fuel tank	140 gals. (529,9)
Crankcase (dry fill)	5.5 gals.(20,8)
Transmission and converter	8.0 gals. (30,3)
Drive axle—Differential	11.8 gals.(44,5)
Drive axle—Planetary	2 gals. (7,6)

DIMENSIONS

WEIGHTS

NET WEIGHT DISTRIBUTION Tractor axle58.3%		kg
Tractor axle58.3%	42,000 lbs.	(19051)
Scraper axle41.7%	30,000 lbs.	(13608)
Total		
PAYLOAD	60,000 lbs.	(27216)
GROSS WEIGHT DISTRIBUTION		
Tractor axle49.7%		
Scraper axle50.3%	66,300 lbs.	(30074)
Totai	132,000 lbs.	(59875)

STANDARD EQUIPMENT

(Tractor and Scraper)

Dry 'T' Type Air Cleaners, Full Flow Hydraulic Filtration, Engine Oil Pressure Gauges, Engine Temperature Gauges, Converter Oil Temperature Gauges, Clutch Pressure Gauges, Air Restriction Gauges, Positive Temperature Cooling System, Mufflers, Maintenance and Parts Manuals, Emergency and Parking Brake System (SAE J-319B).

Tractor Only: Tachometer, Hourmeter, Air Pressure Gauge, Air Horn, Air Suspension Seat, Cutting Edge Floodlight, Built in ROPS Pads, Full Width Front Fenders (SAE J-321A).

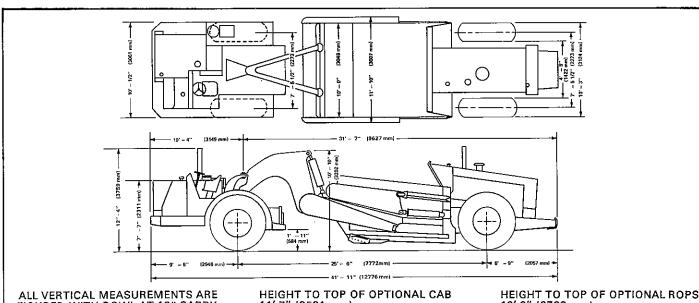
Scraper Only: NoSPIN Differential, Power Train Warning Alarm.

OPTIONAL EQUIPMENT

OPTIONS TO HELP USER COMPLY WITH OCCUPATIONAL SAFETY AND HEALTH ACT: Fenders, Full Width, Scraper (SAE J321A) Includes Steps and Grab Handles (SAE J185); Canopy, Roll Over Protective Structure (SAE J320A) Will Fit Over Optional Cab; Seat Belt (SAE J386); Reverse Alarm (SAE J994).

OTHER OPTIONS: Brake Drum Guards, Cab, Cab Defroster and Heater, Sun Canopy, Down Shift Inhibitor, Severe Duty Rear Radiator Guard, Power Locking Differential, Retarder, Roller Push Block, Bostrom Norseman Seat, Security Kit, Severe Application Kit, Spillguard Extension, Transmission Guard, Twin-Hitch, Windshield and Wiper, Sound Reduction Kit Including Cab.

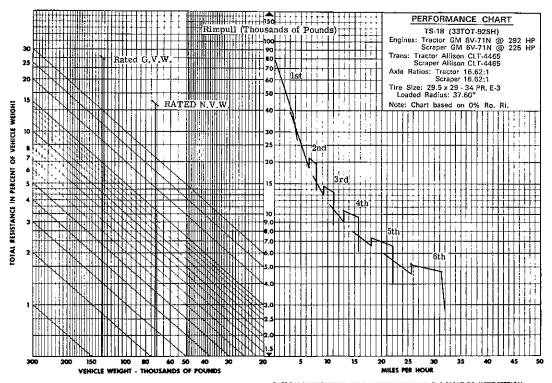
CONVERSION CHART =1.609 kilometers =30.48 centimeters =2.54 centimeters =3.785 liters =0.833 imp. gals. 1 U.S. Gal. 1 U.S. Gai. coolant 1 lb. 1 sq. in. 1 sq. ft. 1 sq. yd. 1 cu. yd. =8.3 lbs. (approx.) =0.4536 kilograms =6.452 sq. centimeters =929 sq. centimeters =0.836 sq. meters =0.7646 cu. meters foot inch U.S. Gal. U.S. Gal. U.S. Gal. diesel fuel =7.3 lbs. (approx.)



FIGURED WITH BOWL AT 12" CARRY.

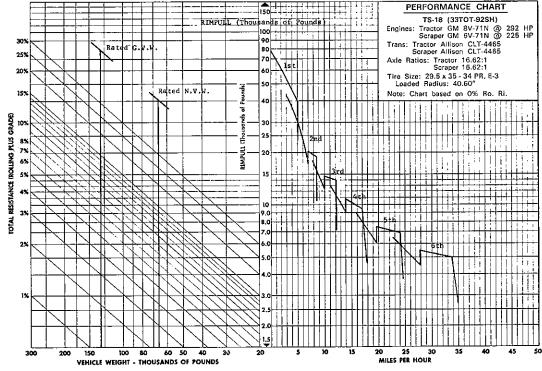
11'-7" (3531 mm)

12'-2" (3708 mm)



INSTRUCTIONS:

- 1. FIND VEHICLE WEIGHT ON LOWER LEFT HORIZONTAL SCALE
- 2. READ UP TO SLANTED TOTAL RESISTANCE
- 3. FROM INTERSECTION READ HORIZONTALLY TO THE RIGHT TO INTERCEPTION WITH PERFORMANCE OR RETARDER CURVE
- 4. READ DOWN FOR VEHICLE SPEED



- INSTRUCTIONS:
- 1. FIND VEHICLE WEIGHT ON LOWER LEFT HORIZONTAL SCALE
- 2. READ UP TO SLANTED TOTAL RESISTANCE LINE
- 3. FROM INTERSECTION READ HORIZONTALLY TO THE RIGHT TO INTERCEPTION
- WITH PERFORMANCE OR RETARDER CURVE
- 4. READ DOWN FOR VEHICLE SPEED



TEREX, Division of General Motors, Hudson, Ohio, U.S.A. 44236 General Motors Scotland Limited, Lanarkshire, Scotland Diesel Division, General Motors of Canada Limited, London, Ontario