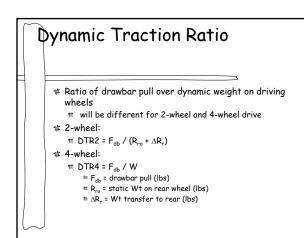
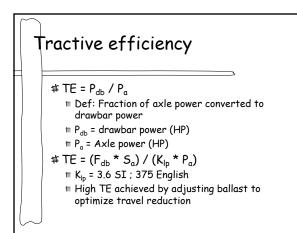
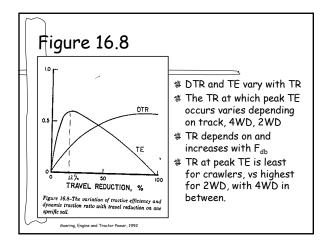


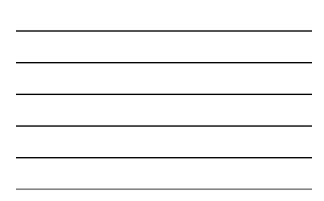
soil strength, tire size, and load. As soil strength increases it moves upward to the left, as it decreases it moves downward to the

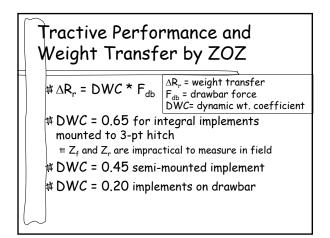
 Pull and torgue are plotted as a function of wheel slip.

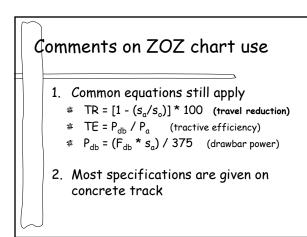










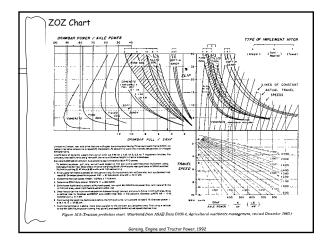


Comments on ZOZ chart use

- Go to Nebraska tractor test to get vital information on the tractor being evaluated. Such as:
 - 1. SRAF- static rear axle force
 - 2. S_{o} -Travel speed with out load
 - 3. P_A axle power

1140		JSK	αι	ruc	. 101	. 10	621	Results
	TAR	LE 16.2	Nebrasi	ha tracto	r (est 24	41 – Ini	ernatione	d 6489 diesel, 18 speed (con't)
			KE OFF		RMAN	Carc Carc		
35					Trapermanar Aur		A	Department of Agricultural Engineering
(1)49			WER AND	175° S.		<u></u>	1.14	Dates of Test: May 26 to June 8, 1982 Manufactures: INTERNATIONAL MAR
	Based K.	owine have	d-Two Hay	ALL OF TO BE	mmi - 1998			TER COMPANY, 401 North Michigan Ave Chicago, IL 60611
		12.246y y	ديا رحمده	20	Gi (11.)		20.075	FUEL OIL AND TIME: Fuel No. 2 C
103.40			AND PURL			78		Cetase No. 46.6 (rating taken from oil comp improtion data) Specific gravity converted is
		0 3747	6.379, is	0201 100	41 180.8	74		60" (13"/13") 0 0575 Fust weight 6.975 R- (0.416 hr/l) OU SAE 50 AF1 proving class
10.000		2 045,			· · · · ·			tion CD/SE To matur 4.032 get (15.24 Drained from motor 3.722 get (14.058 D T)
		. , , , , ,	a. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	فقن				mission and final drive lubricane 1.11. Hy
100.00	9400 1	1.417	5.430 JR 6.467) 77	1977 1977				ENGINE: Make International Distel Typ
.55 25.	2550	6.10% Y 47-0	9.844 B	25	2 d0			cylinder versical with turbocharger inversioner Seetal No. 467BT2U169510* Ca
196 34		0.431			15 41	74		
AV 100 84	1550	7.722	200 G	200	3 20.	15	10.007	stroke 4.50° × 5.55° (109.2 mm × 135.9 Compression ratio 16.8 to 1 Displacement
			BAR PEL					tion pressure Air cleaner two paper clean
And Charles		tent May	minter in	1. 160	real Cont-	1000	Barren.	out apprends Oil filter two full flow carries Oil center engine coulant heat exchange
		Card .					-	crankcase oil, radiator for hydraulic and trun- sion oil, rust filter two paper carridges, My
105.44 1184		330 3.3	0 11.645				28.915	underhood Exhaust vertical Cooling me
	11.00 -07 -00	uli at Max	anum Favor	Ten Host	THE PART OF A			
130 97 876							78.951	CHA3315: Type standard with duals 3 No. 2590002U001019* Trend width rear
AN.20 180		1.7 1.7	5 7 459				28.945	(1923 mm) to 130" (3302 mm) front 02.5" (1363 to 65 5" (2(97 mm) Wheel beas 111 6" (2833
	The of Fall .	a Amburni	Resature Darw	True Pf	www. 1315 ()	111 6-00		Canter of gravity (without operator at la with minimum tread, with fuel tank filled
49.52 544		1550 1.5	172 8000				20.000	tractor serviced for operation) Horizontal date forward from center line of year wheels 20.9"
			OWER IN					mul Vertical distance above readway 36.9" mul Horizontal distance from center of rear a
10:37, 10:4		1400 8.0				.52., .27.		trend 0" 10 mm to the right/left Hydraulle on
142.75 1400		409 6.0			100	.t., .t.		tive gear fixed ratio with partial (2) cange oper
104.38 1355		7400 4.3	5		100	At	30.040	(Anv/h) first 1.5 (2.4) second 1.6 (2.8) third 2.0
104.85 1375		8994 8-9	2 P-15 (M	3) Geer	1.00	53 80	10.910	founds 2.4 (2.8) fifth 2.7 (4.4) sinch 3.2 accounts 3.8 (4.7) eighth 4.5 (7.2) minch 5.1
101.12		1401 2.0	2 10m em	4) Gear	.171	37., 37.	10.040	tenth 6.0 (9.7) eleventh 7.0 (11.3) twelfth (17.3) thirteenth 8.6 (12.8) fourteenth 10.1 (
102.34 037		400 7.4	i Link (M	b) Cear	114	2. 21		Biteenth 11.5 (18.3) tisteenth 13.6 (21.8) at termin 15.7 (25.3) eighteenth 18.5 (29.7) re-
200.12 648	7 8.59 5	1400 1.8	-	a) Geer	187	12 64	20.040	2.9 (4.4), 5.4 (2.4), 5.9 (6.2), 4.5 (7.3), 5.5 (6.5) (2.9) Clutch wer multiple disc operated by
1110 111 111.00		Gaina	ABILITY	EN PAR (M		ach ar	0 100 1000	postal with hydraulic power attist. Brakes ort
Crankabah Spe	ent open	2308	2102	1878	1440	1443	3204	
Pull the		3372		14970	13830	15471	15345	together Securing hydromatic Turning re-
Power-tip		104.2	1 108.00	165.14	352.46	52	*2.35	151.1" (J.ST w) left 151.1" (J.ST w) (on comparison without brake) right 199.3" (J.O? m)
		100.0	111.00	(121.14)		100.00		199.5" (3.07 e) Turning space diameter (on
Apared Mpts		9.21	271	4.15	220		2.4x (7.32)	crese surface with brake applied) right \$10" of millefs \$10" (6.07 m) (on concrese surface with







Comments on ZOZ chart use

- 3. If given the percent slip on concrete, enter at the slip in upper quadrant and go to the right to get TE and F_{db} / SRAF
- Calculate S_o and SRAF / P_a, go to bottom right corner. Go up to speed curves, stopping at the right soil and hitch conditions. Follow lines of constant actual speed to get S_a.

