



7300 SFA 4x2

Sales Proposal For:

CITY OF MT VERNON

Presented By:

Thompson Truck & Trailer

Prepared For:
 CITY OF MT VERNON
 Dean
 213 FIRST ST W
 MT VERNON, IA 52314-
 (319)895 - 8742
 Reference ID: N/A

Presented By:
 Thompson Truck & Trailer
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Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile
2015 7300 SFA 4X2 (SA515)

APPLICATION:	Front Plow with spreader
MISSION:	Requested GVWR: 35000 Calc. GVWR: 37780 Calc. Start / Grade Ability: 41.02% / 2.06% @ 55 MPH Calc. Geared Speed: 73.5 MPH
FUEL ECONOMY:	8.37 MPG @ 55 MPH
DIMENSION:	Wheelbase: 152.00, CA: 77.00, Axle to Frame: 63.00
ENGINE, DIESEL:	{MaxxForce DT} EPA 10, 260 HP @ 2200 RPM, 660 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed
TRANSMISSION, AUTOMATIC:	{Allison 3500_RDS_P} 5th Generation Controls, Wide Ratio, 6-Speed, With Double Overdrive, On/Off Hwy, Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Dana Spicer I-180W} Wide Track, I-Beam Type, 18,000-lb Capacity
AXLE, REAR, SINGLE:	{Mentor RS-23-161} Single Reduction, 23,000-lb Capacity, 200 Wheel Ends, Driver Controlled Locking Differential Gear Ratio: 6.14
CAB:	Conventional
TIRE, FRONT:	(2) 12R22.5 G287 MSA (GOODYEAR) 482 rev/mile, load range H, 16 ply
TIRE, REAR:	(4) 11R22.5 HDL2 DL (CONTINENTAL) 491 rev/mile, load range G, 14 ply
SUSPENSION, RR, SPRING, SINGLE:	Vari-Rate; 31,000-lb Capacity, Includes 4500-lb Capacity Multileaf Auxiliary
PAINT:	Cab schematic 100GM Location 1: 2303, Red (Std) Chassis schematic N/A

<u>Code</u>	<u>Description</u>
SA51500	Base Chassis, Model 7300 SFA 4X2 with 152.00 Wheelbase, 77.00 CA, and 63.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Frame Mounted
1572	TOW HOOK, REAR (2)
1CAJ	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.433" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL
1LEH	LICENSE PLATE HOLDER Single Plate, Swing Type, Mounted Below Front Bumper
1LLA	BUMPER, FRONT Steel, Swept Back <u>Includes</u> : BUMPER, FRONT Powder Coated Gray (Argent) Color
1UAM	FRAME EXTENSION, FRONT Integral; 27" In Front of Grille
1WDU	CROSSMEMBER, FRONT for Hydraulic Pump, Mounting Flange to Accommodate Pump
1WEV	WHEELBASE RANGE 146" (370cm) Through and Including 195" (495cm)
1WRN	BRACKET, CAB MOUNT Heavy Duty
2AEV	AXLE, FRONT NON-DRIVING {Dana Spicer I-180W} Wide Track, I-Beam Type, 18,000-lb Capacity <u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
3708	SHOCK ABSORBERS, FRONT
3ACR	SUSPENSION, FRONT, SPRING Multileaf, Shackle Type; 18,000-lb Capacity; Less Shock Absorbers <u>Includes</u> : SPRING PINS Rubber Bushings, Maintenance-Free <u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
3WAJ	SPRINGS, FRONT AUXILIARY Air Bag, Right Side Only, Driver Control ↓
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications <u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : DUST SHIELDS, FRONT BRAKE : DUST SHIELDS, REAR BRAKE : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SLACK ADJUSTERS, FRONT Automatic : SLACK ADJUSTERS, REAR Automatic : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4 <u>Notes</u> : Rear Axle is Limited to 23,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.
4193	BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 SqIn Long Stroke Brake Chambers <u>Notes</u>

SKIP

<u>Code</u>	<u>Description</u>
	: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
4732	DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank <u>Includes</u> : DRAIN VALVE Mounted in Wet Tank
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
4EBD	AIR DRYER {Meritor Wabco System Saver 1200} with Heater <u>Includes</u> : AIR DRYER LOCATION Inside Left Rail, Back of Cab
4ETE	BRAKE CHAMBERS, FRONT AXLE {Haldex} 24 SqIn
4EVL	BRAKE CHAMBERS, REAR AXLE {Haldex GC3030LHDHO} 30/30 Spring Brake <u>Includes</u> : BRAKE CHAMBERS, SPRING (2) Rear Parking; WITH TRUCK BRAKES: All 4x2, 4x4; WITH TRACTOR BRAKES: All 4x2, 4x4; 6x4 & 6x6 with Rear Tandem Axles Less Than 46,000-lb. or GVWR Less Than 54,000-lb.
4LAA	SLACK ADJUSTERS, FRONT {Haldex} Automatic
4LGA	SLACK ADJUSTERS, REAR {Haldex} Automatic
4NDB	BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake <u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.
4SBC	AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity
5708	STEERING COLUMN Tilting
5CAL	STEERING WHEEL 2-Spoke, 18" Diam., Black
5PTB	STEERING GEAR (2) {Sheppard M-100/M-80} Dual Power
6DBZ	DRIVESHAFT {Dana Spicer} SPL100 in lieu of SPL90 Series
7BEJ	EXHAUST SYSTEM Single, Horizontal, Aftertreatment Device Frame Mounted Outside Right Rail Under Cab; Includes Vertical Tail Pipe and Guard <u>Includes</u> : EXHAUST HEIGHT 10' Exhaust Height - Based on Empty Chassis with Standard Components (+ or - 1" Height) : MUFFLER/TAIL PIPE GUARD Non-Bright Finish
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment <u>Includes</u> : BATTERY BOX Steel with Plastic Lid : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab : FUSES, ELECTRICAL SAE Blade-Type : HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : HEADLIGHTS (2) Sealed Beam, Round, with Chrome Plated Bezels : HORN, ELECTRIC Single : JUMP START STUD Located on Positive Terminal of Outermost Battery : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light

<u>Code</u>	<u>Description</u>
	: RUNNING LIGHT (2) Daytime, Included With Headlights
	: STARTER SWITCH Electric, Key Operated
	: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
	: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature
	: TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted
	: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
	: WIRING, CHASSIS Color Coded and Continuously Numbered
8518	CIGAR LIGHTER Includes Ash Cup
8718	POWER SOURCE Cigar Type Receptacle without Plug and Cord
8GXD	ALTERNATOR {Leece-Neville AV160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense
8HAA	BODY BUILDER WIRING To Rear of Frame, With Stop, Tail, Turn, and Marker Lights Circuits, Ignition Controlled Auxiliary Feed and Ground, Less Trailer Socket
8MEP	BATTERY SYSTEM {International} Maintenance-Free (2) 12-Volt 1300CCA Total
8RKB	RADIO {Panasonic CQ120} AM/FM, Includes Multiple Speakers, Includes Auxiliary Input
	<u>Includes</u>
	: SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior
	: SPEAKERS IN CAB (4) Coaxial with Premium Interior
8THB	BACK-UP ALARM Electric, 102 dBA
8THJ	AUXILIARY HARNESS 3.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow Applications
8WAD	BATTERY DISCONNECT SWITCH {Joseph Pollak} Lever Operated
	<u>Includes</u>
	: BATTERY DISCONNECT SWITCH Mounted to Outside of Battery Box
8WBW	JUMP START STUD Remote Mounted
	<u>Includes</u>
	: JUMP START STUD Mounted to Battery Box
8WCK	POWER SOURCE, TERMINAL TYPE 2-Post
8WCL	HORN, AIR Black, Single Trumpet, Air Solenoid Operated
8WML	HEADLIGHTS Long Life Halogen; for Two Light System
8WSK	SWITCH, BODY CIRCUITS, REAR for Bodybuilder; With 6 Momentary Switches in Instrument Panel; One Power Module, With 6 Channels, 20 Amp Per Channel and 80 Amp Max Output, Switches Control the Power Modules Through Multiplex Wiring, Mounted at Rear on Frame
8WTK	STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
8WWJ	INDICATOR, LOW COOLANT LEVEL With Audible Alarm
8WZP	INDICATOR, BATTERY WARNING Green BATTERY ON Indicator, Mounted on Left Side of Instrument Panel, To be Used with Factory Installed or Customer Mounted Battery Disconnect Switch
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
9585	FENDER EXTENSIONS Rubber

<u>Code</u>	<u>Description</u>
9HAN	INSULATION, UNDER HOOD for Sound Abatement
9HBM	GRILLE Stationary, Chrome
9HBN	INSULATION, SPLASH PANELS for Sound Abatement
9WAC	BUG SCREEN Front End; Mounted Behind Grille
9WBC	FRONT END Tilting, Fiberglass, With Three Piece Construction; for 2007 & 2010 Emissions
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
	<u>Includes</u> : PAINT SCHEMATIC ID LETTERS "GM"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
10WSY	GROUND CLEARANCE IDENTITY For 24" Ground Clearance on Left Side Only
11001	CLUTCH Omit Item (Clutch & Control)
12851	PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted
12959	BLOCK HEATER, ENGINE {Phillips} 120 Volt/1250 Watt
	<u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12NUP	ENGINE, DIESEL {MaxxForce DT} EPA 10, 260 HP @ 2200 RPM, 660 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed
	<u>Includes</u> : AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only) : ANTI-FREEZE Red Shell Rotella Extended Life Coolant; -40 Degrees F/ -40 Degrees C; for MaxxForce Engines : COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control : CRUISE CONTROL Electronic; Controls Integral to Steering Wheel : ENGINE OIL DRAIN PLUG Magnetic : ENGINE SHUTDOWN Electric, Key Operated : FUEL FILTER Included with Fuel/Water Separator : FUEL/WATER SEPARATOR Fuel/Water Separator and Fuel Filter in a Single Assembly; With Water-in-Fuel Sensor; Engine Mounted : GOVERNOR Electronic : OIL FILTER, ENGINE Spin-On Type : WET TYPE CYLINDER SLEEVES
12TSY	FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On
	<u>Includes</u> : FAN Nylon
12UAS	RADIATOR Aluminum, Cross Flow, Series System; 1228 SqIn Core and 648 SqIn Charge Air Cooler and 342 SqIn Low Temperature Radiator
	<u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12UNK	FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2014; MaxxForce DT Engines
12VAG	AIR CLEANER Single Element, with Integral Snow Valve and In-Cab Control
	<u>Includes</u> : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted

<u>Code</u>	<u>Description</u>
12VVY	OVER-TEMPERATURE PROTECTION (For Engine Coolant) Omit Item
12VXU	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel
12VXY	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Module and Connector for Body Builder Installation of Remote Engine Speed Control, With SAE J1939 Communication <u>Includes</u> : NOTE: Code 12VXY now requires a power inverter. If a power inverter is NOT required, Code 12VZA should be ordered.
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations
13AVL	TRANSMISSION, AUTOMATIC {Allison 3500_RDS_P} 5th Generation Controls; Wide Ratio, 6-Speed, With Double Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.
13WAW	OIL COOLER, AUTO TRANSMISSION {Modine} Water to Oil, for Allison or CEEMAT Transmission
13WBL	TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction
13WYJ	SHIFT CONTROL PARAMETERS Allison Economy Programming in Primary and Allison Performance Programming in Secondary
13XAA	PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring
14ARK	AXLE, REAR, SINGLE {Meritor RS-23-161} Single Reduction, 23,000-lb Capacity, 200 Wheel Ends, Driver Controlled Locking Differential . Gear Ratio: 6.14 <u>Includes</u> : REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle <u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires. : When Specifying Axle Ratio, Check Performance Guidelines and TCAPE for Startability and Performance
14SAL	SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 31,000-lb Capacity, Includes 4500-lb Capacity Multileaf Auxiliary
14WAP	SHOCK ABSORBERS, REAR (2)
14WLB	AXLE, REAR, LUBE {EmGard 75W-90} Synthetic Oil; 30 thru 39.99 Pints
15LKG	FUEL/WATER SEPARATOR with Thermostatic Fuel Temperature Controlled Electric Heater, and Filter Restriction/Change Indicator, Includes Standard Equipment Water-in-Fuel Sensor
15SCZ	FUEL TANK Top Draw; Rectangular, Non Polished Aluminum, 60 U.S. Gal., 227 L; 11" Tank Depth, Mounted Left Side Under Cab
16030	CAB Conventional <u>Includes</u> : ARM REST (2) Molded Plastic; One Each Door : CLEARANCE/MARKER LIGHTS (5) Flush Mounted : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window : CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel : DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted

<u>Code</u>	<u>Description</u>
	: GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side : INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color : STEP (4) Two Steps Per Door
16GHU	GRAB HANDLE, CAB INTERIOR (2) Safety Yellow
16HBA	GAUGE CLUSTER English With English Electronic Speedometer
	<u>Includes</u> : GAUGE CLUSTER (6) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter, Washer Fluid Level : ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout : WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)
16HGG	GAUGE, OIL TEMP, ENGINE
16HHE	GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} With Black Bezel Mounted in Instrument Panel
16HKA	IP CLUSTER DISPLAY Omit Display of Fault Codes in Instrument Cluster and Disable Blink Codes, Requires Service Tool to Retrieve and View Fault Code
16JNT	SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
	<u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type
16LUM	SEAT, PASSENGER {National} Non Suspension, High Back With Integral Headrest, Vinyl, With Fixed Back, With Under Seat Storage
16SDS	MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatic Controlled, Clearance Lights LED, Bright Heads and Brackets
16SDZ	MIRROR, CONVEX, HOOD MOUNTED {Lang Mekra} Right and Left Side; 7.44" Sq., Bright
16SEE	GRAB HANDLE Chrome; Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry Mounted Left Side Only at "B" Pillar
16WBY	ARM REST, RIGHT, DRIVER SEAT
16WCT	AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
	<u>Includes</u> : HEATER HOSES Premium : HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps : REFRIGERANT Hydrofluorocarbon HFC-134A
16WEE	CAB SOUND INSULATION Includes Dash Insulator and Engine Cover Insulator
	<u>Notes</u> : Feature included with CAB INTERIOR TRIM, Premium
16WJS	INSTRUMENT PANEL Center Section, Flat Panel
16WJU	WINDOW, POWER (2) And Power Door Locks, Left and Right Doors, Includes Express Down Feature
16WKY	HVAC FRESH AIR FILTER
16WLE	STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door
16WLM	HOURMETER, PTO for Customer Provided PTO; With Indicator Light and Hourmeter in Gauge Cluster Includes Return Wire for PTO Feedback Switch

<u>Code</u>	<u>Description</u>
16WLS	FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood
16WRX	CAB INTERIOR TRIM Deluxe <u>Includes</u> : "A" PILLAR COVER Molded Plastic : CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering : CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket : DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors : FLOOR COVERING Rubber, Black : HEADLINER Soft Padded Cloth : INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section : STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door : SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console
16WSK	CAB REAR SUSPENSION Air Bag Type
16XWJ	WINDSHIELD WIPER BLADES Snow Type
16XXC	COWL TRAY LID
27DPX	WHEELS, FRONT DISC; 22.5" Painted Steel, 2 Hand Hole 10-Stud (285.75MM BC) Hub Piloted Flanged Nut, Metric Mount, 8.25 DC Rims; With .472" Thick Increased Capacity Disc and Steel Hubs <u>Includes</u> : PAINT IDENTITY, FRONT WHEELS White <u>Notes</u> : Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22,5
28DPM	WHEELS, REAR DUAL DISC; 22.5" Painted Steel, 2 Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With .472" Thick Increased Capacity Disc and With Steel Hubs <u>Includes</u> : PAINT IDENTITY, REAR WHEELS White <u>Notes</u> : Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22,5
7372135417	(4) TIRE, REAR 11R22.5 HDL2 DL (CONTINENTAL) 491 rev/mile, load range G, 14 ply
7382150125	(2) TIRE, FRONT 12R22.5 G287 MSA (GOODYEAR) 482 rev/mile, load range H, 16 ply

<u>Description</u>	<u>(US DOLLAR)</u>	<u>Price</u>
Factory List Prices:		
Product Items	\$110,403.00	
Service Items	\$0.00	
Total Factory List Price Including Options:		\$110,403.00
Freight	\$2,575.00	
Total Freight:		\$2,575.00
Total Factory List Price Including Freight:		\$112,978.00
Less Customer Allowance:		(\$34,773.53)
Total Vehicle Price:		\$78,204.47
Total Sale Price:		\$78,204.47
Total Per Vehicle Sales Price:		\$78,204.47
Net Sales Price:		\$78,204.47

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an International vehicle.

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Firm or Business Name

Authorized Signature

Authorized Signature and Date

This proposal is not binding upon the seller without Seller's Authorized Signature

Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.

INTERNATIONAL*

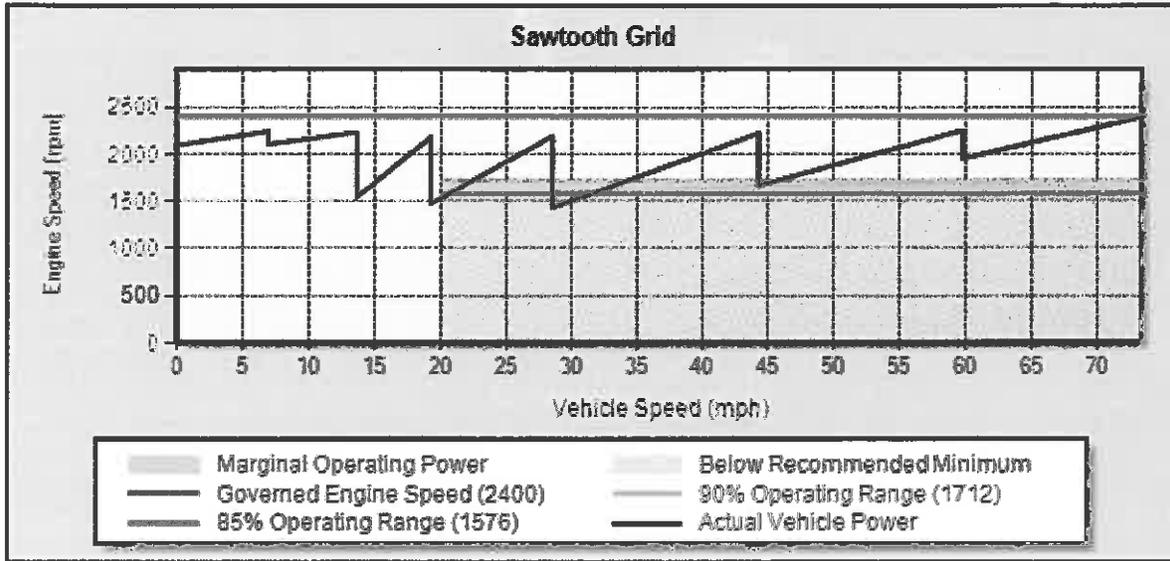
Financial Information
2015 7300 SFA 4X2 (SA515)

March 04, 2014

(US DOLLAR)

There is no financial information for this proposal.

ENGINE/TRANSMISSION MATCHING



Sawtooth Details

Gear	Trans Ratio	Upshift Power Avail		Govern Power Avail		Peak Power Comparison			Warn Msg
		Veh Spd (MPH)	Eng Spd (RPM)	Veh Spd (MPH)	Eng Spd (RPM)	Gear Step (%)	85% Range (%)	90% Range (%)	
1C	4.59	0.0	2100	6.9	2243	N/A	52	40	
2C	2.26	6.9	2109	13.6	2234	N/A	52	40	
2L	2.26	13.6	1546	19.2	2181	N/A	52	40	
3L	1.53	19.2	1476	28.5	2194	N/A	52	40	
4L	1.00	28.5	1434	44.3	2225	N/A	52	40	
5L	0.75	44.3	1669	59.8	2254	N/A	52	40	
6L	0.65	59.8	1953	73.5	2400	N/A	52	40	

@ - WHEELSLIP CAN OCCUR AT THE GRADE SHOWN. THE VEHICLE IS CAPABLE OF INCREASED GRADEABILITY IF MORE WEIGHT IS PLACED ON THE DRIVE AXLES.

STEADY STATE PERFORMANCE

Performance Results	Gear	Veh Spd (mph)	Eng Spd (rpm)	Fuel Econ (mpg)	Grade (%)	Notes
LEVEL ROAD MAXIMUM SPEED	6L	74.1	2421	5.46	0.00	
HI GEAR SPEED @ RATED RPM	6L	73.5	2400	5.51	0.38	
55.0 MPH STEADY-STATE	6L	55.0	1796	8.37	2.06	
TYPICAL OPERATING SPEED	6L	70.0	2286	5.92	0.90	- Calculated Grade Ability/Fuel Economy

VEHICLE ORDER CODING ERRORS MAY RESULT IF THE "LEVEL ROAD MAX SPEED" VALUE EXCEEDS THE "HI GEAR SPEED @ RATED RPM" AND IS USED AS THE ENGINE PROGRAMMABLE VEHICLE SPEED LIMIT.

IF THE RESULTS CONTAIN " — " , VEHICLE CANNOT ATTAIN THAT SPEED.

IF THE RESULTS CONTAIN "*****" , THE ENGINE USED DOES NOT HAVE A FUEL MAP. FUEL ECONOMY CANNOT BE PREDICTED.

Recommendations / General Information

IDLE FUEL RATE : 0.99 GALS/HR @ 800.0 RPM
TORQUE CONVERTER : TC-413 STALL RATIO: 2.44

Fuel Economy Route: Normal Route - City, Suburban, and Highway

Key Fuel Economy Information	City	Suburban	Highway	Notes
MILES PER GALLON	6.00	8.62	7.83	
AVERAGE MPH	18.9	39.7	54.6	
MISSION MINUTES	29.94	52.10	173.38	

IF THE RESULTS CONTAIN "*****" , THE ENGINE USED DOES NOT HAVE A FUEL MAP. FUEL ECONOMY CANNOT BE PREDICTED.

GRADEABILITY PERFORMANCE

Enroute - Full Throttle Upshift Performance

Gear	Trans Ratio	Veh Spd (mph)	Eng Spd (rpm)	Whl Pwr (hp)	Grade (%)	Warn Notes
1C	4.59	0.0	2100	0.00	46.00	@ STALL
		3.8	2116	150.54	46.00	@ 70% EFF
		5.1	2154	182.89	41.02	80% EFF
		6.9	2243	195.40	31.14	
2C	2.26	6.9	2109	150.55	23.37	
		13.6	2234	196.75	14.94	
2L	2.26	13.6	1546	172.22	12.95	
3L	1.53	19.2	2181	227.96	12.03	
		19.2	1476	164.54	8.44	
4L	1.00	28.5	2194	228.17	7.67	
		28.5	1434	158.82	5.05	
5L	0.75	44.3	2225	223.23	4.12	
		44.3	1669	180.66	3.09	
6L	0.65	59.8	2254	214.65	2.05	
		59.8	1953	204.72	1.87	
		69.3	2263	206.81	1.00	
		72.7	2375	192.75	0.50	
		73.5	2400	189.30	0.38	RATED RPM
		74.2	2422	166.62	0.00	LEVEL ROAD

STARTING / TOP GEAR PERFORMANCE

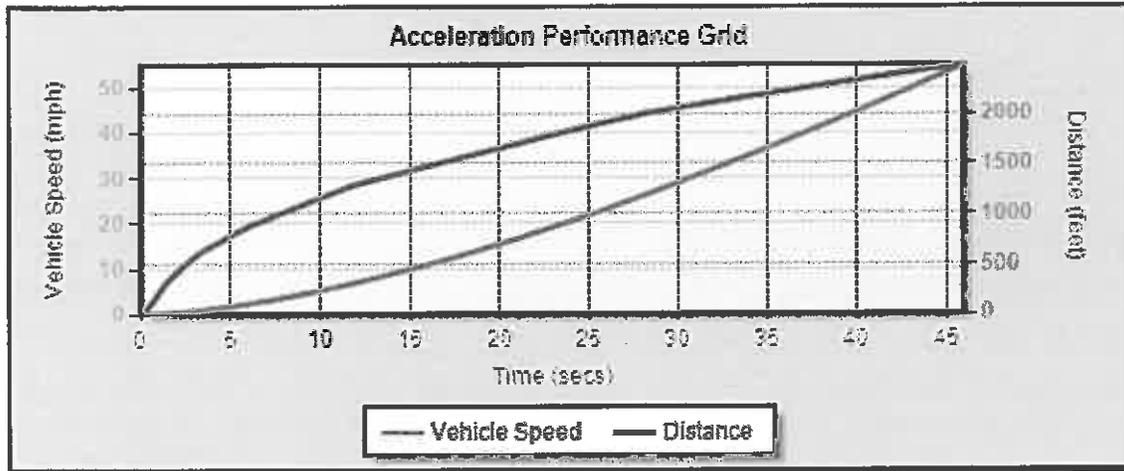
Gear	Trans Ratio	Veh Spd (mph)	Eng Spd (rpm)	Whl Pwr (hp)	Grade (%)	Warn Notes
1C	4.59	0.0		0.00	46.00	@ STALL
		5.1		182.89	41.02	80% EFF - Calculated Start Ability

@ - WHEELSLIP CAN OCCUR AT THE GRADE SHOWN. THE VEHICLE IS CAPABLE OF INCREASED GRADEABILITY IF MORE WEIGHT IS PLACED ON THE DRIVE AXLES.

THE TRANSMISSION WAS SIMULATED IN PERFORMANCE OPERATING MODE.

ACCELERATION PERFORMANCE RESULTS

Acceleration Performance Grid



Acceleration Performance: TIME TO ACCELERATE ON A GRADE TO 55.0 (MPH) IS 46.00 (SECS)

Acceleration Performance Details

Gear	Time (secs)	Distance (feet)	Speed (mph)	Notes
1C	0.22	0.2	1.0	
	0.46	0.7	2.0	
	0.65	1.4	3.0	
	0.82	2.3	4.0	
	1.00	3.5	5.0	
2C	1.18	4.9	6.0	
	1.35	6.5	6.9	
	1.62	9.4	7.9	
	1.88	12.7	8.9	
	2.14	16.1	9.9	
2L	2.41	20.2	10.9	
	2.69	25.1	11.9	
	3.01	30.7	12.9	
	3.25	35.5	13.6	
	3.72	45.2	14.6	
3L	4.19	55.6	15.6	
	4.66	66.7	16.6	
	5.13	78.5	17.6	
	5.61	91.3	18.6	
	5.90	99.4	19.2	
4L	6.53	117.6	20.2	
	7.16	136.7	21.2	
	7.79	156.8	22.2	
	8.43	177.9	23.2	
	9.06	200.0	24.2	
4L	9.70	223.0	25.2	
	10.34	247.1	26.2	
	10.99	272.7	27.2	
	11.66	300.0	28.2	
	11.89	309.5	28.5	
4L	12.87	351.2	29.5	
	13.85	394.5	30.5	

Gear	Time (secs)	Distance (feet)	Speed (mph)	Notes
	14.84	439.4	31.5	
	15.83	486.0	32.5	
	16.83	534.3	33.5	
	17.83	584.3	34.5	
	18.84	636.1	35.5	
	19.85	689.7	36.5	
	20.87	745.1	37.5	
	21.89	802.3	38.5	
	22.93	861.4	39.5	
	23.97	922.8	40.5	
	25.04	987.3	41.5	
	26.14	1055.2	42.5	
	27.28	1126.7	43.5	
5L	28.15	1182.8	44.3	
	29.71	1285.6	45.3	
	31.30	1391.9	46.3	
	32.90	1501.8	47.3	
	34.52	1615.3	48.3	
	36.16	1732.5	49.3	
	37.81	1853.5	50.3	
	39.49	1978.5	51.3	
	41.19	2107.6	52.3	
	42.92	2241.2	53.3	
	44.69	2380.8	54.3	
	46.00	2485.6	55.0	

REQUIRED TCAPE INFORMATION

TCAPE Factors For Vehicle

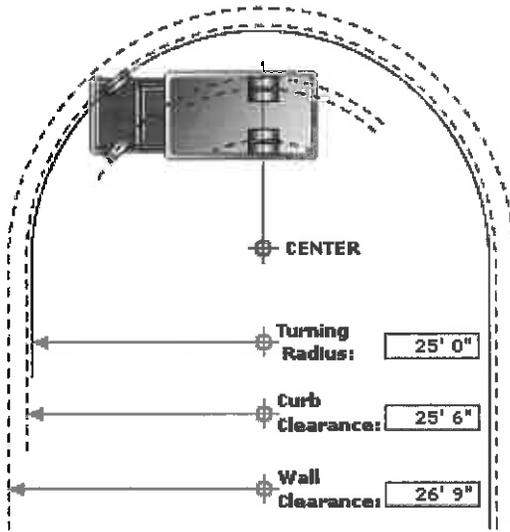
Selected Rear Axle Gear Ratio(s):	6.14
Vehicle Vocation:	GENERAL ON HIGHWAY
Enroute PTO:	NO
Transmission Mode:	Performance
Fuel Economy Route:	Normal Route - City, Suburban, and Highway
ID Wheel Slip Conditions:	Yes
Engine Fan Type:	VISCOUS
Road Surface Type:	TYPICAL
Parked PTO:	NO
Road Governor/Cruise Ctrl:	No
Acceleration Grade (%):	0.0
Alternator (A):	40
Weight on Drive Axle (LBF):	23000
Frontal Area (FT2):	76
Air Compressor (HP):	2.20
Vehicle Width (IN):	96
Vehicle Height (IN):	114
Steering Gear (HP):	2.60
Air Conditioner (HP):	3.20
Acceleration Vehicle Spd (MPH):	55.0
Speed Limit on Route (MPH):	61.0
Relative Drag Coefficient:	85
TIRE, FRONT	2 - RADIAL NORMAL
TIRE, REAR	4 - RADIAL NORMAL

Components

0002AEV	AXLE, FRONT NON-DRIVING {Dana Spicer I-180W} Wide Track, I-Beam Type, 18,000-lb Capacity
0004SBC	AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity
0005PTB	STEERING GEAR (2) {Sheppard M-100/M-80} Dual Power
0008GXD	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type; 12 Volt 160 Amp. Capacity, Pad Mount, With Remote Sense
0012NUP	ENGINE, DIESEL {MaxxFORCE DT} EPA 10, 260 HP @ 2200 RPM, 660 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed
0012TSY	FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On
0013AVL	TRANSMISSION, AUTOMATIC {Allison 3500_RDS_P} 5th Generation Controls; Wide Ratio, 6-Speed, With Double Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.
0014ARK	AXLE, REAR, SINGLE {Meritor RS-23-161} Single Reduction, 23,000-lb Capacity, 200 Wheel Ends, Driver Controlled Locking Differential
0016030	CAB Conventional
0016WCT	AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
07372135417	TIRE, REAR 11R22.5 HDL2 DL (CONTINENTAL) 491 rev/mile, load range G, 14 ply 11R22.5 HDL2 DL (CONTINENTAL) 491 rev/mile, load range G, 14 ply
07382150125	TIRE, FRONT 12R22.5 G287 MSA (GOODYEAR) 482 rev/mile, load range H, 16 ply 12R22.5 G287 MSA (GOODYEAR) 482 rev/mile, load range H, 16 ply

TCAPE HAS BEEN DESIGNED TO GIVE ECONOMY AND PERFORMANCE PREDICTIONS WHICH HAVE BEEN SHOWN TO BE TYPICAL FOR MOST OPERATIONS. HOWEVER, DUE TO OPERATING CONDITIONS, DRIVER INFLUENCES, AND OTHER FACTORS, YOUR RESULTS MAY VARY FROM THOSE PREDICTED. ALSO, BECAUSE OF FUEL MAPPING PROCEDURES USED BY VARIOUS ENGINE MANUFACTURERS, COMPARISONS OF FUEL ECONOMY RESULTS FOR DIFFERENT BRANDS OF ENGINES MAY VARY FROM THOSE SHOWN.

NAVISTAR, INC. SHALL NOT BE LIABLE FOR ANY LOSS OF PROFITS, LOSS OF USE, INTERRUPTION OF BUSINESS OR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND THAT ARE INCURRED BY DEALER OR BY DEALER'S CUSTOMERS AS A RESULT OF RELIANCE ON TCAPE, WHETHER THE CLAIM IS IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE.



Series: 7000
 Model: SA515
 Description: 7300 SFA 4X2
 Model Year: 2015

Calculation Factors

Wheelbase: 152
 Front Axle: 0002AEV
 Description: AXLE, FRONT NON-DRIVING, {Dana Spicer I-180W} Wide Track, I-Beam Type, 18,000-lb Capacity
 Front Wheel: 0027DPX
 Description: WHEELS, FRONT, DISC; 22.5" Painted Steel, 2 Hand Hole 10-Stud (285.75MM BC) Hub Piloted Flanged Nut, Metric Mount, 8.25 DC Rims; With .472" Thick Increased Capacity Disc and Steel Hubs
 Front Tire: 07382150125
 Description: TIRES, 12R22.5 G287 MSA (GOODYEAR) 482 rev/mile, load range H, 16 ply
 Steering Gear: 0005PTB
 Description: STEERING GEAR, (2) {Sheppard M-100/M-80} Dual Power

Turning Radius Statistics

General Information

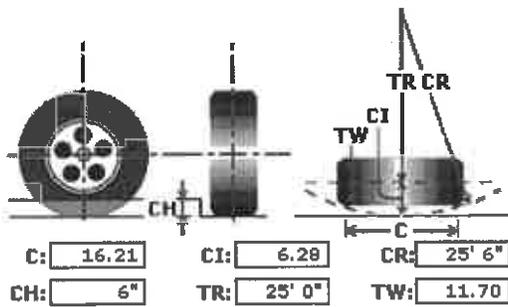
Inside Turn Angle: 40 Degrees
 Radial Overhang: 21

Axle Information

KingPin Inclination: 5.875 Degrees
 KingPin Center: 71

Turning Radius - Curb View

C - Curb Contact Length: 16.21
 CI - Curb Clearance Increment: 6.28
 CR - Curb Clearance Radius: 25'6"
 CH - Curb Height: 6"
 TR - Turning Radius: 25'0"
 TW - Tire Width: 11.70



* All Measurements are in inches, unless otherwise specified.

This information is based on engineering information available at this time. Actual figures may vary. Navistar, Inc. cannot accept liability for consequences due to this variance.



7400 SFA 4x2

Sales Proposal For:

CITY OF MT VERNON

Presented By:

Thompson Truck & Trailer

INTERNATIONAL®

March 19, 2014

Prepared For:
CITY OF MT VERNON
Dean Mt Vernon
213 FIRST ST W
MT VERNON, IA 52314-
(319)895 - 8742
Reference ID: N/A

Presented By:
Thompson Truck & Trailer
Ray Zamasil
2740 6TH ST SW
CEDAR RAPIDS IA 52404 -
(319)364-2491

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

Model Profile
2014 7400 SFA 4X2 (SA625)

APPLICATION:	Front Plow with spreader
MISSION:	Requested GVWR: 35000. Calc. GVWR: 37000 Calc. Start / Grade Ability: 45.46% / 3.32% @ 55 MPH Calc. Geared Speed: 73.9 MPH 8.42 MPG @ 55 MPH
FUEL ECONOMY:	8.42 MPG @ 55 MPH
DIMENSION:	Wheelbase: 181.00, CA: 106.00, Axle to Frame: 75.00
ENGINE, DIESEL:	{MaxxForce DT} EPA 10, 300 HP @ 2200 RPM, 830 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed
TRANSMISSION, AUTOMATIC:	{Allison 3500_RDS_P} 5th Generation Controls; Wide Ratio, 6-Speed, With Double Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-14-143A} Wide Track, I-Beam Type, 14,000-lb Capacity
AXLE, REAR, SINGLE:	{Meritor RS-23-186} Single Reduction, 23,000-lb Capacity, 200 Wheel Ends, Driver Controlled Locking Differential Gear Ratio: 6.14
CAB:	Conventional
TIRE, FRONT:	(2) 315/80R22.5 HSU2 WT (CONTINENTAL) 481 rev/mile, load range L, 20 ply
TIRE, REAR:	(4) 11R22.5 HDC1 (CONTINENTAL) 488 rev/mile, load range H, 16 ply
SUSPENSION, RR, SPRING, SINGLE:	Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring
PAINT:	Cab schematic 100GM Location 1: 2303, Red (Std) Chassis schematic N/A

<u>Code</u>	<u>Description</u>
SA52500	Base Chassis, Model 7400 SFA 4X2 with 181.00 Wheelbase, 106.00 CA, and 75.00 Axle to Frame.
1670	TOW HOOK, FRONT (2) Frame Mounted
1CAJ	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.433" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL
1LLA	BUMPER, FRONT Steel, Swept Back <u>Includes</u> : BUMPER, FRONT Powder Coated Gray (Argent) Color
1UAM	FRAME EXTENSION, FRONT Integral; 27" In Front of Grille
1WEV	WHEELBASE RANGE 146" (370cm) Through and Including 195" (495cm)
2ARV	AXLE, FRONT NON-DRIVING (Meritor MFS-14-143A) Wide Track, I-Beam Type, 14,000-lb Capacity <u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
3ADD	SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf, 14,000-lb Capacity; With Shock Absorbers <u>Includes</u> : SPRING PINS Rubber Bushings, Maintenance-Free <u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications <u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : DUST SHIELDS, FRONT BRAKE : DUST SHIELDS, REAR BRAKE : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SLACK ADJUSTERS, FRONT Automatic : SLACK ADJUSTERS, REAR Automatic : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4 <u>Notes</u> : Rear Axle is Limited to 23,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.
4732	DRAIN VALVE (Berg) Manual; With Pull Chain, for Air Tank <u>Includes</u> : DRAIN VALVE Mounted in Wet Tank
4AZA	AIR BRAKE ABS (Bendix AntiLock Brake System) Full Vehicle Wheel Control System (4-Channel)
4EBD	AIR DRYER (Meritor Wabco System Saver 1200) with Heater <u>Includes</u> : AIR DRYER LOCATION Inside Left Rail, Back of Cab
4ESX	BRAKE CHAMBERS, FRONT AXLE (Haldex) 20 SqIn
4EVL	BRAKE CHAMBERS, REAR AXLE (Haldex GC3030LHDHO) 30/30 Spring Brake

<u>Code</u>	<u>Description</u>
	<u>Includes</u> : BRAKE CHAMBERS, SPRING (2) Rear Parking; WITH TRUCK BRAKES: All 4x2, 4x4; WITH TRACTOR BRAKES: All 4x2, 4x4; 6x4 & 6x6 with Rear Tandem Axles Less Than 46,000-lb. or GVWR Less Than 54,000-lb.
4JCJ	BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers <u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
4LAA	SLACK ADJUSTERS, FRONT (Haldex) Automatic
4LGA	SLACK ADJUSTERS, REAR (Haldex) Automatic
4NDB	BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq. In. Long Stroke Brake Chamber and Spring Actuated Parking Brake <u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.
4SBC	AIR COMPRESSOR (Bendix Tu-Flo 550) 13.2 CFM Capacity
4VDX	AIR TANK LOCATION (2) : Two Mounted Outside Right Rail, Under Cab, On Step Mounting Brackets <u>Notes</u> : This air tank location reduces ground clearance by 2" vs. the standard air tank location. : Use Air Tank Location Code 04VDX with Exhaust Code 07BEJ and Battery Box Code 08WGE or 08WGG to provide clean CA.
5708	STEERING COLUMN Tilt
5CAL	STEERING WHEEL 2-Spoke, 16" Diam., Black
5PSA	STEERING GEAR (Sheppard M-100) Power
7BEJ	EXHAUST SYSTEM Single, Horizontal, Aftertreatment Device Frame Mounted Outside Right Rail Under Cab; Includes Vertical Tail Pipe and Guard <u>Includes</u> : EXHAUST HEIGHT 10' Exhaust Height - Based on Empty Chassis with Standard Components (+ or - 1" Height) : MUFFLER/TAIL PIPE GUARD Non-Bright Finish
7WAY	TAIL PIPE (1) Straight Type, Bright, for Single Exhaust
7WBS	MUFFLER/TAIL PIPE GUARD (1) Bright Stainless Steel
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment <u>Includes</u> : BATTERY BOX Steel with Plastic Lid : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab : FUSES, ELECTRICAL SAE Blade-Type : HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : HEADLIGHTS (2) Sealed Beam, Round, with Chrome Plated Bezels : HORN, ELECTRIC Single : JUMP START STUD Located on Positive Terminal of Outermost Battery : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light : RUNNING LIGHT (2) Daytime, Included With Headlights : STARTER SWITCH Electric, Key Operated : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector

<u>Code</u>	<u>Description</u>
	: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature
	: TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted
	: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
	: WIRING, CHASSIS Color Coded and Continuously Numbered
8518	CIGAR LIGHTER Includes Ash Cup
8718	POWER SOURCE Cigar Type Receptacle without Plug and Cord
8GGN	ALTERNATOR (Bosch LH160) Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount
8HAE	BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/ Accessory Power/Ground and Sealed Connector for Stop/Turn
8MEP	BATTERY SYSTEM (International) Maintenance-Free (2) 12-Volt 1300CCA Total
8RKB	RADIO (Panasonic CQ120) AM/FM, Includes Multiple Speakers, Includes Auxiliary Input
	<u>Includes</u>
	: SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior
	: SPEAKERS IN CAB (4) Coaxial with Premium Interior
8THJ	AUXILIARY HARNESS 3.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow Applications
8TKB	STOP, TURN, TAIL & B/U LIGHTS {Truck Lite} Super 44, With LED Bulbs for Stop, Turn & Tail Lights and Truck Lite Super 40 for Backup lights, With Power Module, "International" Termination and Less Junction Box
8VZR	SWITCH, BODY CIRCUITS, MID for Bodybuilder, 6 Momentary Switches in Instrument Panel; One Power Module with 6 Channels, 20 Amp Max. Per Channel, 60 Amp Max Output, Switches Control Power Module Through Multiplex Wiring, Mounted in Cab Behind Driver Seat
8WBW	JUMP START STUD Remote Mounted
	<u>Includes</u>
	: JUMP START STUD Mounted to Battery Box
8WCK	POWER SOURCE, TERMINAL TYPE 2-Post
8WCL	HORN, AIR Black, Single Trumpet, Air Solenoid Operated
8WCS	BATTERY DISCONNECT SWITCH (Joseph Pollak 51-315) Positive Type, Lever Operated, Cab Mounted
8WGG	BATTERY BOX Steel, With Aluminum Cover, 3 Battery Capacity, Mounted Right Side Under Cab Below Frame Mounted Exhaust, Provides Clean CA
8WML	HEADLIGHTS Long Life Halogen; for Two Light System
8WTK	STARTING MOTOR (Delco Remy 38MT Type 300) 12 Volt; less Thermal Over-Crank Protection
8WWJ	INDICATOR, LOW COOLANT LEVEL With Audible Alarm
8WZP	INDICATOR, BATTERY WARNING Green BATTERY ON Indicator, Mounted on Left Side of Instrument Panel, To be Used with Factory Installed or Customer Mounted Battery Disconnect Switch
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
9585	FENDER EXTENSIONS Rubber
9ANG	HOOD, HATCH (01) for Servicing
9HAN	INSULATION, UNDER HOOD for Sound Abatement

<u>Code</u>	<u>Description</u>
9HBM	GRILLE Stationary, Chrome
9HBN	INSULATION, SPLASH PANELS for Sound Abatement
9WBC	FRONT END Tilting, Fiberglass, With Three Piece Construction; for 2007 & 2010 Emissions
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100 <u>Includes</u> : PAINT SCHEMATIC ID LETTERS "GM"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
11001	CLUTCH Omit Item (Clutch & Control)
12851	PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted
12959	BLOCK HEATER, ENGINE (Phillips) 120 Volt/1250 Watt <u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12NUT	ENGINE, DIESEL (MaxxForce DT) EPA 10, 300 HP @ 2200 RPM, 860 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed <u>Includes</u> : AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only) : ANTI-FREEZE Red Shell Rotella Extended Life Coolant; -40 Degrees F/ -40 Degrees C; for MaxxForce and Navistar Engines : COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control : CRUISE CONTROL Electronic; Controls Integral to Steering Wheel : ENGINE OIL DRAIN PLUG Magnetic : ENGINE SHUTDOWN Electric, Key Operated : FUEL FILTER Included with Fuel/Water Separator : FUEL/WATER SEPARATOR Fuel/Water Separator and Fuel Filter in a Single Assembly; With Water-In-Fuel Sensor; Engine Mounted : GOVERNOR Electronic : OIL FILTER, ENGINE Spin-On Type : WET TYPE CYLINDER SLEEVES
12TSY	FAN DRIVE (Borg-Warner SA85) Viscous Type, Screw On <u>Includes</u> : FAN Nylon
12UAR	RADIATOR Aluminum, Cross Flow, Series System; 1228 SqIn Core and 648 SqIn Charge Air Cooler and 342 SqIn Low Temperature Radiator and With Transmission Oil Cooler <u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12UNK	FEDERAL EMISSIONS EPA, OBD and GHG Certified for Calendar Year 2014; MaxxForce DT Engines
12VAG	AIR CLEANER Single Element, with Integral Snow Valve and In-Cab Control <u>Includes</u> : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted
12VVY	OVER-TEMPERATURE PROTECTION (For Engine Coolant) Omit Item
12VXU	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings; Mounted on Steering Wheel

<u>Code</u>	<u>Description</u>
12VZA	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for MaxxFlex and Navistar post 2007 Emissions Electronic Engines
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Idle Regulations
13AVL	TRANSMISSION, AUTOMATIC {Allison 3500_RDS_P} 5th Generation Controls; Wide Ratio, 6-Speed, With Double Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.
13WBL	TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for Allison 3000 & 4000 Series Transmission
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); General Purpose Trucks, Construction
13WYJ	SHIFT CONTROL PARAMETERS Allison Economy Programming in Primary and Allison Performance Programming In Secondary
14ARY	AXLE, REAR, SINGLE (Meritor RS-23-186) Single Reduction, 23,000-lb Capacity, 200 Wheel Ends, Driver Controlled Locking Differential . Gear Ratio: 6.14 <u>Includes</u> : REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle <u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires. : When Specifying Axle Ratio, Check Performance Guidelines and TCAPE for Startability and Performance
14VAH	SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring <u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.
15LKH	FUEL/WATER SEPARATOR with Filter Restriction/Change Indicator, Includes Standard Equipment Water-In-Fuel Sensor
15SGJ	FUEL TANK Top Draw; D Style, Non Polished Aluminum, 50 U.S. Gal., 189 L Capacity, 16" Tank Depth, with Quick Connect Outlet, Mounted Left Side, Under Cab
16030	CAB Conventional <u>Includes</u> : ARM REST (2) Molded Plastic; One Each Door : CLEARANCE/MARKER LIGHTS (5) Flush Mounted : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window : CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel : DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side : INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color : STEP (4) Two Steps Per Door
16GHU	GRAB HANDLE, CAB INTERIOR (2) Safety Yellow
16HBA	GAUGE CLUSTER English With English Electronic Speedometer <u>Includes</u> : GAUGE CLUSTER (6) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter, Washer Fluid Level : ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout

<u>Code</u>	<u>Description</u>
	: WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)
16HHE	GAUGE, AIR CLEANER RESTRICTION (Filter-Minder) With Black Bezel Mounted in Instrument Panel
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16JNT	SEAT, DRIVER (National 2000) Air Suspension, High Back With Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, With 2 Position Front Cushion Adjust, -3 to +14 Degree Angle Back Adjust
	<u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type
16LUM	SEAT, PASSENGER (National) Non Suspension, High Back With Integral Headrest, Vinyl, With Fixed Back, With Under Seat Storage
16SDU	MIRRORS (2) (Lang Mekra) Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatically Controlled, Power Both Sides, Clearance Lights LED, Bright Finish Heads & Brackets
16SEE	GRAB HANDLE Chrome; Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry Mounted Left Side Only at "B" Pillar
16SJX	MIRROR, CONVEX, HOOD MOUNTED (2) (Lang Mekra) Bright, Heated, Left and Right Sides 7.44" Sq
16WBY	ARM REST, RIGHT, DRIVER SEAT
16WCT	AIR CONDITIONER (Blend-Air) With Integral Heater & Defroster
	<u>Includes</u> : HEATER HOSES Premium : HOSE CLAMPS, HEATER HOSE Mubea Constant Tension Clamps : REFRIGERANT Hydrofluorocarbon HFC-134A
16WJS	INSTRUMENT PANEL Center Section, Flat Panel
16WJU	WINDOW, POWER (2) And Power Door Locks, Left and Right Doors, Includes Express Down Feature
16WKY	HVAC FRESH AIR FILTER
16WLE	STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door
16WLM	HOURMETER, PTO for Customer Provided PTO; With Indicator Light and Hourmeter in Gauge Cluster Includes Return Wire for PTO Feedback Switch
16WLS	FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood
16WRX	CAB INTERIOR TRIM Deluxe
	<u>Includes</u> : "A" PILLAR COVER Molded Plastic : CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering : CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket : DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors : FLOOR COVERING Rubber, Black : HEADLINER Soft Padded Cloth : INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section : STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door : SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console
16WSK	CAB REAR SUSPENSION Air Bag Type
16XWJ	WINDSHIELD WIPER BLADES Snow Type

<u>Code</u>	<u>Description</u>
27DPL	WHEELS, FRONT DISC; 22.5" Painted Steel, 5 Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 9.00 DC Rims; With .500" Thick Disc, Non-Standard Offset and Steel Hubs <u>Includes</u> : PAINT IDENTITY, FRONT WHEELS White <u>Notes</u> : Aluminum Wheels not Painted or Coated : Compatible Tire Sizes: 12R22.5, 295/75R22.5, 295/80R22.5, 315/80R22.5
28DRN	WHEELS, REAR DUAL DISC; 22.5" Painted Steel, 5 Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With .472" Thick Increased Capacity Disc and Steel Hubs <u>Includes</u> : PAINT IDENTITY, REAR WHEELS White <u>Notes</u> : Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22.5
29PAR	PAINT IDENTITY, FRONT WHEELS (Accuride) Disc Front Wheels; With Vendor Applied (PKWHT21) White Powder Coat Paint
29WLA	WHEEL BEARING, FRONT, LUBE (EmGard 50W) Synthetic Oil
7382135420	(4) TIRE, REAR 11R22.5 HDC1 (CONTINENTAL) 488 rev/mile, load range H, 16 ply
7792645416	(2) TIRE, FRONT 315/80R22.5 HSU2 WT (CONTINENTAL) 481 rev/mile, load range L, 20 ply

<u>Description</u>	<u>(US DOLLAR)</u>	<u>Price</u>
Factory List Prices:		
Product Items	\$111,072.00	
Service Items	\$0.00	
Total Factory List Price Including Options:		\$111,072.00
Freight:	\$2,750.00	
Total Freight:		\$2,750.00
Total Factory List Price Including Freight:		\$113,822.00
Less Customer Allowance:		(\$33,875.06)
Total Vehicle Price:		\$79,946.94
Total Sale Price:		\$79,946.94
Total Per Vehicle Sales Price:		\$79,946.94
Net Sales Price:		\$79,946.94

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an International vehicle.

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Firm or Business Name

Authorized Signature

Authorized Signature and Date

This proposal is not binding upon the seller without Seller's Authorized Signature

Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.

INTERNATIONAL*

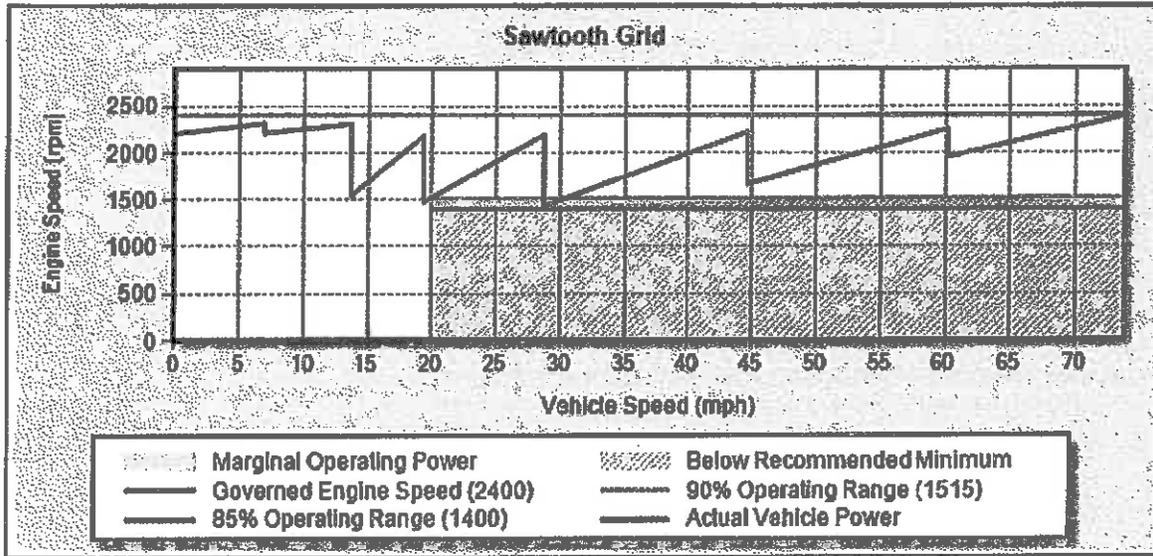
Financial Information
2014 7400 SFA 4X2 (SA525)

March 19, 2014

(US DOLLAR)

There is no financial information for this proposal.

ENGINE/TRANSMISSION MATCHING



Sawtooth Details

Gear	Trans Ratio	Upshift Power Avail		Govern Power Avail		Peak Power Comparison			Warn Msg
		Veh Spd (MPH)	Eng Spd (RPM)	Veh Spd (MPH)	Eng Spd (RPM)	Gear Step (%)	85% Range (%)	90% Range (%)	
1C	4.59	0.0	2213	6.9	2318	N/A	71	58	
2C	2.26	6.9	2219	13.7	2310	N/A	71	58	
2L	2.26	13.7	1546	19.3	2181	N/A	71	58	
3L	1.53	19.3	1476	28.7	2194	N/A	71	58	
4L	1.00	28.7	1434	44.6	2225	N/A	71	58	
5L	0.75	44.6	1689	60.2	2254	N/A	71	58	
6L	0.65	60.2	1953	73.9	2400	N/A	71	58	

@ - WHEELSLIP CAN OCCUR AT THE GRADE SHOWN. THE VEHICLE IS CAPABLE OF INCREASED GRADEABILITY IF MORE WEIGHT IS PLACED ON THE DRIVE AXLES.

STEADY STATE PERFORMANCE

Performance Results	Gear	Veh Spd (mph)	Eng Spd (rpm)	Fuel Econ (mpg)	Grade (%)	Notes
LEVEL ROAD MAXIMUM SPEED	6L	75.2	2442	5.31	0.00	
HI GEAR SPEED @ RATED RPM	6L	73.9	2400	5.41	0.84	
55.0 MPH STEADY-STATE	6L	55.0	1785	8.42	3.32	
TYPICAL OPERATING SPEED	6L	70.0	2272	5.93	1.49	- Calculated Grade Ability/Fuel Economy

VEHICLE ORDER CODING ERRORS MAY RESULT IF THE "LEVEL ROAD MAX SPEED" VALUE EXCEEDS THE "HI GEAR SPEED @ RATED RPM" AND IS USED AS THE ENGINE PROGRAMMABLE VEHICLE SPEED LIMIT.

IF THE RESULTS CONTAIN "-----", VEHICLE CANNOT ATTAIN THAT SPEED.

IF THE RESULTS CONTAIN "*****", THE ENGINE USED DOES NOT HAVE A FUEL MAP. FUEL ECONOMY CANNOT BE PREDICTED.

Recommendations / General information

IDLE FUEL RATE : 0.99 GALS/HR @ 800.0 RPM
TORQUE CONVERTER : TC-413 STALL RATIO: 2.44

Fuel Economy Route: Normal Route - City, Suburban, and Highway

Key Fuel Economy information	City	Suburban	Highway	Notes
MILES PER GALLON	6.03	8.62	7.87	
AVERAGE MPH	19.0	39.9	54.6	
MISSION MINUTES	29.76	51.91	173.33	

IF THE RESULTS CONTAIN "*****", THE ENGINE USED DOES NOT HAVE A FUEL MAP. FUEL ECONOMY CANNOT BE PREDICTED.

GRADEABILITY PERFORMANCE

Enroute - Full Throttle Upshift Performance

Gear	Trans Ratio	Veh Spd (mph)	Eng Spd (rpm)	Whl Pwr (hp)	Grade (%)	Warn Notes Msg
1C	4.59	0.0	2213	0.00	46.00	@ STALL
		4.0	2227	159.37	46.00	@ 70% EFF
		5.3	2254	209.67	45.46	80% EFF
2C	2.26	6.9	2318	218.64	35.13	
		13.7	2310	219.83	16.71	
2L	2.26	13.7	1646	228.12	17.39	
		19.3	2181	266.75	14.16	
3L	1.53	19.3	1476	217.96	11.38	
		28.7	2194	266.40	9.06	
4L	1.00	28.7	1434	211.03	6.97	
		44.6	2225	261.05	4.99	
5L	0.75	44.6	1669	241.60	4.52	
		60.2	2254	251.85	2.67	
6L	0.65	60.2	1953	256.50	2.75	
		73.0	2368	228.75	1.00	
		73.9	2400	223.71	0.84	RATED RPM
		74.5	2417	203.66	0.50	
		75.3	2443	173.36	0.00	LEVEL ROAD

STARTING / TOP GEAR PERFORMANCE

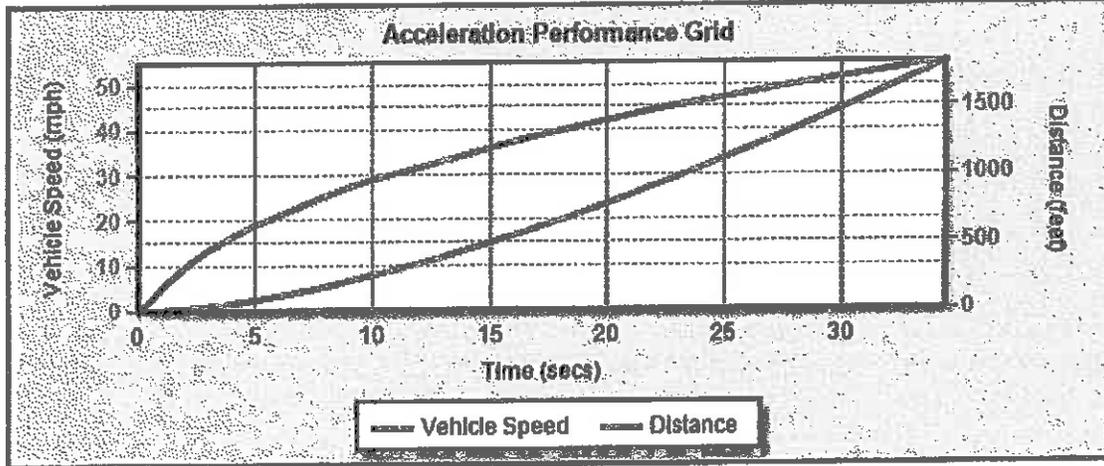
Gear	Trans Ratio	Veh Spd (mph)	Eng Spd (rpm)	Whl Pwr (hp)	Grade (%)	Warn Notes Msg
1C	4.59	0.0		0.00	46.00	@ STALL
		5.3		209.67	45.46	80% EFF - Calculated Start Ability

@ - WHEELSLIP CAN OCCUR AT THE GRADE SHOWN. THE VEHICLE IS CAPABLE OF INCREASED GRADEABILITY IF MORE WEIGHT IS PLACED ON THE DRIVE AXLES.

THE TRANSMISSION WAS SIMULATED IN PERFORMANCE OPERATING MODE.

ACCELERATION PERFORMANCE RESULTS

Acceleration Performance Grid



Acceleration Performance: TIME TO ACCELERATE ON A GRADE TO 55.0 (MPH) IS 34.47 (SECS)

Acceleration Performance Details

Gear	Time (secs)	Distance (feet)	Speed (mph)	Notes
1C	0.22	0.2	1.0	
	0.45	0.7	2.0	
	0.65	1.4	3.0	
	0.81	2.2	4.0	
	0.99	3.4	5.0	
	1.17	4.9	6.0	
2C	1.34	6.6	6.9	
	1.58	9.1	7.9	
	1.81	11.9	8.9	
	2.03	15.0	9.9	
	2.27	18.6	10.9	
	2.52	22.9	11.9	
2L	2.80	27.9	12.9	
	3.03	32.3	13.7	
	3.38	39.6	14.7	
	3.73	47.4	15.7	
	4.08	55.9	16.7	
	4.46	65.4	17.7	
3L	4.86	76.0	18.7	
	5.12	83.3	19.3	
	5.59	96.9	20.3	
	6.05	111.1	21.3	
	6.52	126.1	22.3	
	6.99	141.7	23.3	
4L	7.46	158.3	24.3	
	7.96	176.3	25.3	
	8.47	195.7	26.3	
	9.00	216.8	27.3	
	9.56	239.6	28.3	
	10.50	279.5	29.7	
	11.21	311.0	30.7	

Gear	Time (secs)	Distance (feet)	Speed (mph)	Notes
	11.92	343.7	31.7	
	12.64	377.5	32.7	
	13.36	412.4	33.7	
	14.08	448.5	34.7	
	14.80	485.8	35.7	
	15.53	524.7	36.7	
	16.28	565.7	37.7	
	17.06	609.2	38.7	
	17.86	655.3	39.7	
	18.69	704.2	40.7	
	19.55	756.1	41.7	
	20.44	811.3	42.7	
	21.37	870.0	43.7	
5L	22.18	922.5	44.6	
	23.24	993.1	45.6	
	24.32	1065.8	46.6	
	25.40	1140.5	47.6	
	26.50	1217.8	48.6	
	27.63	1298.8	49.6	
	28.79	1384.0	50.6	
	29.99	1473.9	51.6	
	31.23	1568.8	52.6	
	32.52	1669.1	53.6	
	33.86	1775.1	54.6	
	34.47	1824.3	55.0	

REQUIRED TCAPE INFORMATION

TCAPE Factors For Vehicle

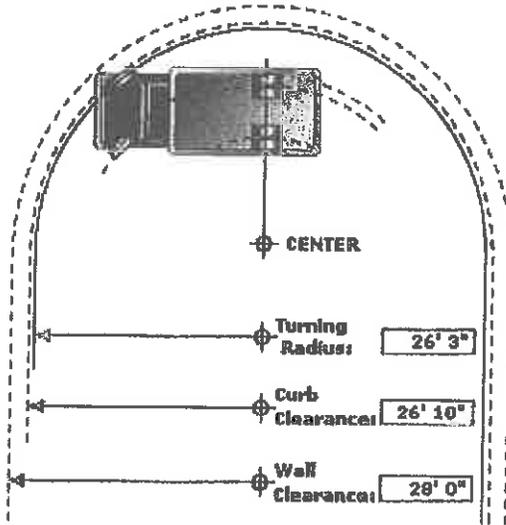
Selected Rear Axle Gear Ratio(s):	6.14
Vehicle Vocation:	GENERAL ON HIGHWAY
Road Surface Type:	TYPICAL
Enroute PTO:	NO
Transmission Mode:	Performance
Fuel Economy Route:	Normal Route - City, Suburban, and Highway
ID Wheel Slip Conditions:	Yes
Engine Fan Type:	VISCOUS
Parked PTO:	NO
Road Governor/Cruise Ctrl:	No
Acceleration Grade (%):	0.0
Alternator (A):	40
Frontal Area (FT ²):	76
Air Compressor (HP):	2.20
Vehicle Height (IN):	114
Steering Gear (HP):	2.60
Air Conditioner (HP):	3.20
Weight on Drive Axle (LBF):	23000
Acceleration Vehicle Spd (MPH):	55.0
Speed Limit on Route (MPH):	61.0
Vehicle Width (IN):	96
Relative Drag Coefficient:	85
TIRE, FRONT	2 - RADIAL LOWPROFILE
TIRE, REAR	4 - RADIAL NORMAL

Components

0002ARV	AXLE, FRONT NON-DRIVING {Meritor MFS-14-143A} Wide Track, I-Beam Type, 14,000-lb Capacity
0004SBC	AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity
0005PSA	STEERING GEAR {Sheppard M-100} Power
0008GGN	ALTERNATOR {Bosch LH160} Brush Type, 12 Volt 160 Amp. Capacity, Pad Mount
0012NUT	ENGINE, DIESEL {MaxxForce DT} EPA 10, 300 HP @ 2200 RPM, 860 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed
0012TSY	FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On
0013AVL	TRANSMISSION, AUTOMATIC {Allison 3500_RDS_P} 5th Generation Controls; Wide Ratio, 6-Speed, With Double Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder, With 80,000-lb GVW & GCW Max.
0014ARY	AXLE, REAR, SINGLE {Meritor RS-23-186} Single Reduction, 23,000-lb Capacity, 200 Wheel Ends, Driver Controlled Locking Differential
0016030	CAB Conventional
0016WCT	AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
07382135420	TIRE, REAR 11R22.5 HDC1 (CONTINENTAL) 488 rev/mile, load range H, 16 ply 11R22.5 HDC1 (CONTINENTAL) 488 rev/mile, load range H, 16 ply
07792545416	TIRE, FRONT 315/80R22.5 HSU2 WT (CONTINENTAL) 481 rev/mile, load range L, 20 ply 315/80R22.5 HSU2 WT (CONTINENTAL) 481 rev/mile, load range L, 20 ply

TCAPE HAS BEEN DESIGNED TO GIVE ECONOMY AND PERFORMANCE PREDICTIONS WHICH HAVE BEEN SHOWN TO BE TYPICAL FOR MOST OPERATIONS. HOWEVER, DUE TO OPERATING CONDITIONS, DRIVER INFLUENCES, AND OTHER FACTORS, YOUR RESULTS MAY VARY FROM THOSE PREDICTED. ALSO, BECAUSE OF FUEL MAPPING PROCEDURES USED BY VARIOUS ENGINE MANUFACTURERS, COMPARISONS OF FUEL ECONOMY RESULTS FOR DIFFERENT BRANDS OF ENGINES MAY VARY FROM THOSE SHOWN.

NAVISTAR, INC. SHALL NOT BE LIABLE FOR ANY LOSS OF PROFITS, LOSS OF USE, INTERRUPTION OF BUSINESS OR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND THAT ARE INCURRED BY DEALER OR BY DEALER'S CUSTOMERS AS A RESULT OF RELIANCE ON TCAPE, WHETHER THE CLAIM IS IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE.



Series: 7000
 Model: SA525
 Description: 7400 SFA 4X2
 Model Year: 2014

Calculation Factors

Wheelbase: 181
 Front Axle: 0002ARV
 Description: AXLE, FRONT NON-DRIVING, {Meritor MFS-14-143A} Wide Track, I-Beam Type, 14,000-lb Capacity
 Front Wheel: 0027DPL
 Description: WHEELS, FRONT, DISC; 22.5" Painted Steel, 5 Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 9.00 DC Rims; With .500" Thick Disc, Non-Standard Offset and Steel Hubs
 Front Tire: 07792545416
 Description: TIRES, 315/80R22.5 HSU2 WT (CONTINENTAL) 481 rev/mile, load range L, 20 ply
 Steering Gear: 0005PSA
 Description: STEERING GEAR, {Sheppard M-100} Power

Turning Radius Statistics

General Information

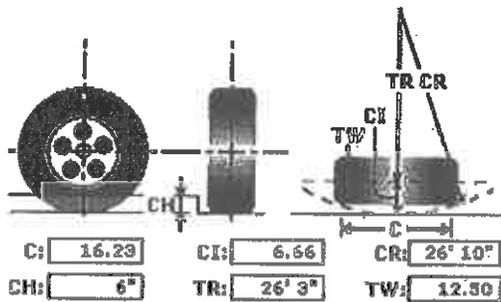
Inside Turn Angle: 45 Degrees
 Radial Overhang: 21

Axle Information

KingPin Inclination: 6.25 Degrees
 KingPin Center: 71.5

Turning Radius - Curb View

C - Curb Contact Length: 16.23
 CI - Curb Clearance Increment: 6.66
 CR - Curb Clearance Radius: 26'10"
 CH - Curb Height: 6"
 TR - Turning Radius: 26'3"
 TW - Tire Width: 12.50



* All Measurements are in inches, unless otherwise specified.