

**Prepared For:**

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**Diamond SPEC™**

**Presented By:**

TX TRK CNTRS OF HOUS LTD  
Todd Beard  
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HOUSTON TX 77029  
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**Model Profile**

**2007 Diamond SPEC™ 7400 SFA 6X4 (SF525)**

**APPLICATION:**

Water Tank

**MISSION:**

Requested GVWR: 52000. Calc. GVWR: 54000  
Calc. Start / Grade Ability: 42.30% / -1.00% @ 55 MPH  
Calc. Geared Speed: 47.1 MPH

**FUEL ECONOMY:**

N/A

**DIMENSION:**

Wheelbase: 246.0, CA: 171.0, Axle to Frame: 75.0

**ENGINE, DIESEL:**

{International DT466 High Torque} 50 State, 300 HP, 860 lb-ft Torque @ 1400 RPM, 2400 RPM Governed Speed, # 2 Bell Housing

**TRANSMISSION, MANUAL:**

{Fuller RT-8908LL} 10-Speed Manual; With Double-Lo and Air Shift

**CLUTCH:**

{Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate Damper, With 1.75" Spline, Mechanical Pull Type Control and With Kwik-Adjust (Manual) Feature 860 lb-ft Torque Capacity

**AXLE, FRONT NON-DRIVING:**

{Dana Spicer I-140W} Wide Track, I-Beam Type, 14,000-lb Capacity

**AXLE, REAR, TANDEM:**

{Dana Spicer DST41/RST41} Single Reduction; 40,000-lb Capacity, With 200 Wheel Ends and 0.44 Wall Housing Gear Ratio: 6.17

**CAB:**

Conventional

**TIRE, FRONT:**

(2) 315/80R22.5 UNISTEEL G291 (GOODYEAR) 491 rev/mile, load range J, 18 ply

**TIRE, REAR:**

(8) 11R22.5 G182 RSD (GOODYEAR) 496 rev/mile, load range G, 14 ply

**SUSPENSION, REAR, TANDEM:**

{Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers

**PAINT:**

Cab Schematic 100GM

Location 1: 9219, Winter White

Chassis Schematic N/A

<u>Code</u>	<u>Description</u>
SF52500	Base Chassis, Model 7400 SFA 6X4 with 246.0 Wheelbase, 171.0 CA, and 75.0 Axle to Frame.
1570	TOW HOOK, FRONT (2) Inside Rail, 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
1LLA	BUMPER, FRONT Steel, Swept Back
	<u>Includes</u> : PLEASE NOTE: Powder Coated Gray (Argent) Color
1WDS	FRAME EXTENSION, FRONT Integral; 20" In Front of Grille
1WDU	CROSSMEMBER, FRONT for Hydraulic Pump, Mounting Flange to Accomodate Pump
1WGC	WHEELBASE RANGE 228" (580cm) Through and Including 270" (685cm)
2AET	AXLE, FRONT NON-DRIVING {Dana Spicer I-140W} Wide Track, I-Beam Type, 14,000-lb Capacity
3ADD	SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 14,000-lb Capacity; With Shock Absorbers
	<u>Includes</u> : SPRING PINS Rubber Bushings, Maintenance-Free
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	<u>Includes</u> : AIR COMPRESSOR AIR SUPPLY LINE International Engines Naturally-Aspirated : BRAKE CHAMBERS, SPRING (4) Rear Parking : BRAKE LINES Color Coded Nylon : DRAIN VALVE Twist-Type : DUST SHIELDS, FRONT BRAKE : DUST SHIELDS, REAR BRAKE : GAUGE, AIR PRESSURE Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE VALVE Color-Coded Yellow Knob, Located on Instrument Panel : SLACK ADJUSTERS, FRONT Automatic : SLACK ADJUSTERS, REAR Automatic : SPRING BRAKE MODULATOR VALVE
4732	DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
4EBS	AIR DRYER {Bendix AD-9} With Heater
4JBL	BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. MGM Long Stroke Brake Chambers
	<u>Includes</u> : DUST SHIELDS, FRONT BRAKE
4NCE	BRAKES, REAR, AIR CAM 16.5" x 7.0"; Includes MGM TR3030 Long Stroke Brake Chamber and Heavy Duty Spring Actuated Parking Brake
	<u>Includes</u> : BRAKE CHAMBERS, SPRING Inverted with ALL "Walking Beam" type Suspensions
4SBC	AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity
5708	STEERING COLUMN Tilting
5CAL	STEERING WHEEL 2-Spoke, 18" Diam., Black
5PSA	STEERING GEAR {Sheppard M-100} Power

<u>Code</u>	<u>Description</u>
7BBC	EXHAUST SYSTEM Single, Horizontal, Stainless Steel Muffler, With Internal Catalytic Converter, Vertical Non Bright Tail Pipe and Tail Pipe Guard, Frame Mounted Right Side Under Cab, Outside Rail, for 2004 Emissions Standards With International I6 Engines
7MAL	TAIL PIPE Turnback Type, Non-Bright Finish. for Single Non-Bright Finish Exhaust
7SCB	ENGINE BRAKE, DLOGIC {Diamond Logic} for DT466 Engines; Combination Engine and Exhaust Brake, Electronically Activated
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
	<u>Includes</u>
	: BATTERY BOX Steel with Fiberglass Cover; Mounted Right Side, Back of Cab
	: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab
	: HEADLIGHTS (2) Sealed Beam Halogen, 5" X 7" Rectangular, with Chrome Plated Bezels
	: HORN, ELECTRIC Single
	: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
	: RUNNING LIGHT (2) Daytime
	: STARTER SWITCH Electric Key Operated
	: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
	: TURN SIGNAL SWITCH Self-Cancelling, Headlight Dimmer (with Flash-To-Pass 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, Integral with Turn Signal Switch
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
	: WIRING, CHASSIS Color Coded and Continuously Numbered
8518	CIGAR LIGHTER
8GEJ	ALTERNATOR {Leece-Neville 8LHP2172VAH} Brush Type; 12 Volt 110 Amp. Capacity, Pad Mounted
8HAB	BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left 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.
8REY	RADIO {Panasonic CQR-111} AM/FM, With Cassette Player, Includes Multiple Dual Cone Speakers
	<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
8WBW	JUMP START STUD Remote Mounted.
8WCL	HORN, AIR {Grover} Black, Single Trumpet, Air Solenoid Operated, Mounted Behind Bumper on Right Rail
8WPH	CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
8WWN	STARTING MOTOR {Leece-Neville M100R} 12-Volt; less Thermal Over-Crank Protection
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
9579	FENDER EXTENSIONS Injection Molded TPO
9HBM	GRILLE Stationary, Chrome
9WAY	FRONT END Tilting, Fiberglass, With Three Piece Construction
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
	<u>Includes</u>

<u>Code</u>	<u>Description</u>
	: PAINT SCHEMATIC ID LETTERS "GM"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
11LEY	CLUTCH {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate Damper, With 1.75" Spline, Mechanical Pull Type Control and With Kwik-Adjust(Manual) Feature 860 lb-ft Torque Capacity
	<u>Includes</u>
	: CLUTCH RELEASE BEARING Greasable
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
12NPX	ENGINE, DIESEL {International DT466 High Torque} 50 State, 300 HP, 860 lb-ft Torque @ 1400 RPM, 2400 RPM Governed Speed, # 2 Bell Housing
	<u>Includes</u>
	: 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
	: FAN Optimized Position
	: FUEL/WATER SEPARATOR and FUEL FILTER in a Single Assembly, Mounted on Engine
	: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted
	: GOVERNOR Road Speed, Electronic
	: OIL FILTER, ENGINE Spin-On Type
	: WET TYPE CYLINDER SLEEVES
12THT	FAN DRIVE {Horton Drivemaster} "Two Speed" Direct Drive, With Residual Torque Device for Disengaged Fan Speed
	<u>Includes</u>
	: FAN Nylon
12UVW	RADIATOR Cross Flow, Series System; 940 SqIn Aluminum Radiator Core and 1025 SqIn Charge Air Cooler
	<u>Includes</u>
	: ANTI-FREEZE Shell Rotella Extended Life Coolant -40F (-40C)
	: DEAERATION SYSTEM with Surge Tank
	: RADIATOR HOSES Premium, Rubber
12UXV	FEDERAL EMISSIONS for 2004; for International VT365, DT466 and DT570 Engines
12VBB	AIR CLEANER Dual Element
12VXT	THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
12VYC	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for CEC II Electronic Engines
12WBR	FAN OVERRIDE Manual; With Electric Switch on Instrument Panel, (Fan On With Switch On)
12WYS	EXPANDED ENGINE TEMP EFFECTS to Allow Higher Engine Operating Temperature Range; Includes Nylon Surge Tank and 15 psi Pressure Cap
12WYT	CHARGE AIR COOLER Heavy Duty, for Increased Temperature and Pressure Capability, for International Engines
13GJR	TRANSMISSION, MANUAL {Fuller RT-8908LL} 10-Speed Manual; With Double-Lo and Air Shift

<u>Code</u>	<u>Description</u>
	<u>Includes</u> : CLUTCH BRAKE Torque Limiting : FILL PLUG, MAGNETIC
14GJD	AXLE, REAR, TANDEM {Dana Spicer DST41/RST41} Single Reduction; 40,000-lb Capacity, With 200 Wheel Ends and 0.44 Wall Housing  <u>Includes</u> : POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light : REAR AXLE DRAIN PLUG (2) Magnetic
14ULX	SUSPENSION, REAR, TANDEM {Hendrickson HMX-400-54} Walking Beam Type 54" Axle Spacing; 40,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers
15LJN	FUEL/WATER SEPARATOR {Fleetguard} With Filter Restriction/Change Indicator, Includes Standard Equipment Water-in-Fuel Sensor
15SGD	FUEL TANK Top Draw; D Style, Non Polished Aluminum, 100 U.S. Gal., 378.5 L Capacity, 19.0" Tank Depth, Mounted Left Side Under Cab  <u>Includes</u> : FUEL LINES Nylon Tubing With O-Ring Snap-On Quick-Connect Fittings at Both Ends
16030	CAB Conventional  <u>Includes</u> : ARM REST (2) Molded Plastic, Smoke Gray; One Each Door : CLEARANCE/MARKER LIGHTS (5) Flush Mounted : COAT HOOK Located on Rear Wall, Centered Above Rear Window : FLOOR COVERING Rubber, Black : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, CAB INTERIOR (2) "B" Pillar Mounted, One Each Side : STEP (2) Two Steps Per Door
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)
16JNT	SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolated, With 2 Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Adjustment, Single Chamber Air Lumbar Support  <u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type
16RPV	SEAT, PASSENGER {National 2000} Air Suspension, High Back With Integral Headrest, Vinyl, Isolated, With 2 Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Adjustment, Single Chamber Air Lumbar Support  <u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type
16SDP	MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75", Brackets Breakaway Type, With 102" Wide Spacing, With Integral Convex Both Sides, With All Heated Heads, Thermostatically Controlled, With Bright Finish Heads and Brackets
16SEE	GRAB HANDLE Chrome; Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry Mounted Left Side Only

<u>Code</u>	<u>Description</u>
16WBY	ARM REST, RIGHT, DRIVER SEAT
16WJT	INSTRUMENT PANEL Center Section, Ergonomic Panel
16WKB	AIR CONDITIONER {International Blend-Air} With Integral Heater & Defroster  <u>Includes</u> : FRESH AIR FILTER : HEATER HOSES Premium : REFRIGERANT Hydrofluorocarbon HFC-134A
16WKY	FRESH AIR FILTER for HVAC
16WRZ	CAB INTERIOR TRIM Premium  <u>Includes</u> : "A" PILLAR COVER Molded Plastic, Smoke Gray : CAB INTERIOR TRIM PANELS Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat the Back Panel is Only Partially Covered and with a Full Bench Seat the Back Panel is : CAB SOUND INSULATION Dash and Engine Cover Insulators : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets, CB Radio Pocket with Hold-Down, Compass/Temp Display, Auxiliary Visor, Reading Lights; Smoke Gray with Black Pockets : COURTESY LIGHT (2) Mounted Under Instrument Panel : DOME LIGHT, CAB Rectangular, Door Activated, Timed Theater Dimming, Center Mounted, Integral to Console : DOOR TRIM PANELS (2) with Cloth Insert (Blue Plaid Pattern) on Bolster; Driver and Passenger Doors : HEADLINER Printed Cloth : INSTRUMENT PANEL TRIM Molded Plastic, Drawbridge Gray with Black Center Section, Hidden Cup Holder and Ash Tray (Pull-Out) : STORAGE POCKET, DOOR (2) Molded Plastic (Carpet Texture), Drawbridge Gray, Full-Length; Driver and Passenger Doors : SUN VISOR (3) Padded Vinyl, 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Vanity Mirror and Toll Ticket Strap, plus 1 Auxiliary Visor (Front Only), Driver Side
16WSK	CAB REAR SUSPENSION Air Bag Type
27DHH	WHEELS, FRONT DISC; 22.5" Polished Aluminum, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 9.00 DC Rims; With Steel Hubs  <u>Includes</u> : WHEEL SEALS, FRONT Oil Lubricated, Includes Wheel Bearings
28DMA	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 Steel Hubs  <u>Includes</u> : PAINT IDENTITY, REAR WHEELS White : WHEEL SEALS, REAR Oil Lubricated, Includes Wheel Bearings
7372130121	(8) TIRE,REAR 11R22.5 G182 RSD (GOODYEAR) 496 rev/mile, load range G, 14 ply
7702540190	(2) TIRE,FRONT 315/80R22.5 UNISTEEL G291 (GOODYEAR) 491 rev/mile, load range J, 18 ply
<b>Services Section:</b>	
40AMJ	WRTY,LTD, BASIC VEHICLE DSPEC {Diamond SPEC} To 12-Month/Unlimited Mileage; Includes Diamond Emergency Breakdown Service, With 90-Day Towing  Raw Material Price Surcharge 7300/7400/7500