INTERNATIONAL® April 18, 2023

**Prepared For:** North Carolina Sheriffs' Association

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(919)743 - 7433 Reference ID: N/A

Presented By: LILLEY INTERNATIONAL Nick Timper US HWY 17 BY PASS WILLIAMSTON NC 27892 -(252)792-4192

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** 2024 HV507 SFA (HV507)

**AXLE CONFIG:** 6X4

**APPLICATION:** Construction Dump

MISSION: Requested GVWR: 58000, Calc. GVWR: 52350, Calc. GCWR: 80000

Calc. Start / Grade Ability: 19.90% / 2.61% @ 55 MPH

Calc. Geared Speed: 64.3 MPH

**DIMENSION:** Wheelbase: 226.00, CA: 151.00, Axle to Frame: 75.00

{Cummins L9 370} EPA 2021, 370HP @ 2100 RPM, 1250 lb-ft Torque @ 1200 RPM, 2100 RPM **ENGINE, DIESEL:** 

Governed Speed, 370 Peak HP (Max)

TRANSMISSION, AUTOMATIC: {Allison 3000 RDS} 6th Generation Controls, Close Ratio, 5-Speed with Overdrive, with PTO

Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off

**CLUTCH:** Omit Item (Clutch & Control)

**AXLE, FRONT NON-DRIVING:** {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity

{Meritor MT-40-14X-4DCR-P} Single Reduction, 40,000-lb Capacity, with Lube Oil Pump, . **AXLE, REAR, TANDEM:** 

433"(11mm) Wall Housing Thickness, Driver Controlled Locking Differential in Forward-Rear and

Rear-Rear Axle, R Wheel Ends Gear Ratio: 5.29

CAB: Conventional, Day Cab

TIRE, FRONT: (2) 295/75R22.5 Load Range G AH37 (HANKOOK), 513 rev/mile, 75 MPH, All-Position (8) 11R22.5 Load Range G HSR 3 (CONTINENTAL), 494 rev/mile, 75 MPH, All-Position TIRE, REAR:

SUSPENSION, REAR, TANDEM: {Chalmers 854-40L} Walking Beam, 40,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with

1

(8) Torque Rods, Restrictor Cans

Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x FRAME REINFORCEMENT:

0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL

Cab schematic 100WK PAINT:

Location 1: 9219, Winter White (Std)

Chassis schematic N/A

<u>Description</u>	F/R Wt (lbs)	Tot Wt
Base Chassis, Model HV507 SFA with 226.00 Wheelbase, 151.00 CA, and 75.00 Axle to Frame.	5783/3857	9640
TOW HOOK, FRONT (2) Frame Mounted	8/0	8
AXLE CONFIGURATION {Navistar} 6x4	203/-21	182
Notes : Pricing may change if axle configuration is changed.		
FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL	83/277	360
FRAME REINFORCEMENT Full Outer C-Channel, Heat Treated Alloy Steel (120,000 PSI Yield), 10.813" x 3.892" x 0.312" (274.6mm x 98.8mm x 7.9mm), 480.0" (12192mm) OAL	424/629	1053
BUMPER, FRONT Contoured, Stainless Steel, Polished	-25/3	-22
FRAME DIMPLE Dimple on Left and Right Top Flange of Frame Rail to Reference Rear Axle Centerline	0/0	0
WHEELBASE RANGE 177" (450cm) Through and Including 226" (575cm)	189/-189	0
AXLE, FRONT NON-DRIVING {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity	186/0	186
SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 18,000-lb Capacity, with Shock Absorbers	44/0	44
BRAKE SYSTEM, AIR Dual System for Straight Truck Applications	0/0	0
Includes : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : 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 On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6		
TRAILER CONNECTIONS Four-Wheel, with Hand Control Valve and Tractor Protection Valve, for Straight Truck	2/0	2
Notes : When electronic stability control is ordered with trailer connections on a 4x2 truck, please check the operator manual for trailer weight restrictions.		
DRAIN VALVE {Berg} with Pull Chain, for Air Tank	0/0	0
AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System	0/0	0
AIR DRYER (Wabco System Saver 1200) with Heater	8/3	11
BRAKE CHAMBERS, REAR AXLE {MGM MJS3028ET} 30/28 SqIn Piston Spring Brake	0/24	24
BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 Sqln	4/0	4
BRAKE, PARKING Manual Push-Pull Pneumatic Parking Brake	1/0	1
SLACK ADJUSTERS, FRONT {Gunite} Automatic	14/0	14
SLACK ADJUSTERS, REAR {Gunite} Automatic	0/28	28
AIR COMPRESSOR (Cummins) 18.7 CFM	0/0	0
AIR TANK Polished Aluminum, with Straight Thread O-Ring Ports	-13/-3	-16
AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab	15/6	21

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## <u>Vehicle Specifications</u> 2024 HV507 SFA (HV507)

April 18, 2023

<u>Description</u>		Tot Wt
AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Right Rail, Back of Cab, Perpendicular to Rail	(lbs) -9/16	(lbs) 7
DUST SHIELDS, FRONT BRAKE for Air Cam Brakes	10/0	10
DUST SHIELDS, REAR BRAKE for Air Cam Brakes	0/20	20
BRAKES, REAR {Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle	0/104	104
BRAKES, FRONT {Meritor 16.5X6 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 6", 23,000-lb Capacity	33/0	33
PARK BRAKE CHAMBERS, ADDITIONAL (2) Spring Brake Type	0/30	30
STEERING COLUMN Tilting	14/1	15
STEERING WHEEL 4-Spoke; 18" Dia., Black Leather Wrapped	1/0	1
STEERING GEAR (2) {Sheppard M100/M80} Dual Power	100/-4	96
DRIVELINE SYSTEM (Dana Spicer) SPL170 Main Driveline with SPL170 Interaxle Shaft, for 6x4	6/32	38
AFTERTREATMENT COVER Polished Aluminum	9/2	11
EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab	137/39	176
ENGINE COMPRESSION BRAKE {Jacobs} for Cummins ISL/L9 Engines; with Selector Switch and On/Off Switch	42/6	48
TAIL PIPE (1) Turnback Type, Bright	6/3	9
MUFFLER/TAIL PIPE GUARD (1) Bright Stainless Steel	16/9	25
EXHAUST HEIGHT 11' 6"	20/11	31
ELECTRICAL SYSTEM 12-Volt, Standard Equipment	0/0	0
Includes  : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab  : HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel  : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever  : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light  : 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  : 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	4/0	
CIGAR LIGHTER Includes Ash Cup	1/0	1
ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense	0/0	0
BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Sleeper, 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	2/0	2
HORN, AIR (2) Single Tone, Chrome, Roof Mounted, with Lanyard Pull Cord	0/0	0
BATTERY SYSTEM (Fleetrite) Maintenance-Free, (3) 12-Volt 2850CCA Total, Top Threaded Stud	43/32	75

<u>Description</u>		Tot Wt
SPEAKERS (2) 6.5" Dual Cone Mounted in Both Doors, (2) 5.25" Dual Cone Mounted in Both B-Pillars	(lbs) 6/2	(lbs) 8
CB RADIO Accommodation Package, Header Mounted, Feeds from Accessory Side of Ignition Switch, Includes Power Source, One Antenna and Antenna Base with Wiring on Left Side Mirror	18/1	19
ANTENNA Shark Fin, Roof Mounted	1/0	1
RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input	3/0	3
TRAILER CONNECTION SOCKET {Phillips} 7-Way, Mounted at Rear of Frame, Wired for Turn Signals Independent of Stop, Compatible with Trailers with Amber or Side Turn Lamps	0/7	7
HORN, ELECTRIC Disc Style	0/0	0
BATTERY BOX Steel, with Plastic Cover, 18" Wide, 2-4 Battery Capacity, Mounted Right Side Back of Cab	-32/9	-23
POWER SOURCE, TERMINAL TYPE 2-Post	1/0	1
CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade	0/0	0
TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights	0/0	0
STARTING MOTOR (Delco Remy 38MT Type 300) 12 Volt, Less Thermal Over-Crank Protection	8/1	9
BATTERY BOX COVER Stainless Steel, Bright Finish	7/4	11
INDICATOR, LOW COOLANT LEVEL with Audible Alarm	0/0	0
CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses	0/0	0
TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender	0/0	0
HEADLIGHTS Halogen	0/0	0
FENDER EXTENSIONS Rubber	6/0	6
LOGOS EXTERIOR Model Badges	0/0	0
LOGOS EXTERIOR, ENGINE Badges	0/0	0
INSULATION, UNDER HOOD for Sound Abatement	10/0	10
GRILLE Stationary, Chrome	0/0	0
INSULATION, SPLASH PANELS for Sound Abatement	2/0	2
BUG SCREEN Mounted Behind Grille	5/0	5
FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV	0/0	0
PAINT SCHEMATIC, PT-1 Single Color, Design 100	0/0	0
Includes : PAINT SCHEMATIC ID LETTERS "WK"		
PAINT TYPE Base Coat/Clear Coat, 1-2 Tone	0/0	0
COMMUNICATIONS MODULE Telematics Device with Over the Air Programming; Includes Five Year Data Plan and International 360	1/0	1
CLUTCH Omit Item (Clutch & Control)	0/0	0
ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection	0/0	0
ENGINE, DIESEL (Cummins L9 370) EPA 2021, 370HP @ 2100 RPM, 1250 lb-ft Torque @ 1200 RPM, 2100 RPM Governed Speed, 370 Peak HP (Max)	561/3	564

<u>Description</u>	F/R Wt (lbs)	Tot Wt
FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed	0/0	0
Includes : FAN Nylon		
RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 Sqln, with 1167 Sqln Charge Air Cooler	0/0	0
Includes : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber		
AIR CLEANER Dual Element	4/0	4
EMISSION, CALENDAR YEAR {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2023	0/0	0
THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel	0/0	0
ENGINE CONTROL, REMOTE MOUNTED No Provision for Remote Mounted Engine Control	0/0	0
CARB IDLE COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations	0/0	0
CARB EMISSION WARR COMPLIANCE Federal, Does Not Comply with CARB Emission Warranty	0/0	0
TRANSMISSION, AUTOMATIC {Allison 3000 RDS} 6th Generation Controls, Close Ratio, 5-Speed with Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway	223/60	283
OIL COOLER, TRANSMISSION (Modine) Water to Oil Type	25/0	25
TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission	1/0	1
TRANSMISSION OIL Synthetic; 29 thru 42 Pints	0/0	0
ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223	0/0	0
NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released	0/0	0
SHIFT CONTROL PARAMETERS (Allison) 3000 or 4000 Series Transmissions, Performance Programming	0/0	0
PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission	0/0	0
AXLE, REAR, TANDEM {Meritor MT-40-14X-4DCR-P} Single Reduction, 40,000-lb Capacity, with Lube Oil Pump, .433"(11mm) Wall Housing Thickness, Driver Controlled Locking Differential in Forward-Rear and Rear-Rear Axle, R Wheel Ends . Gear Ratio: 5.29	0/2127	2127
SUSPENSION, REAR, TANDEM {Chalmers 854-40L} Walking Beam, 40,000-lb Capacity, 54" Axle Spacing, Rubber Springs, with (8) Torque Rods, Restrictor Cans	0/585	585
DIFF. SWITCH CONTROLS Two Independent Switches for Control Traction Differentials on Tandem Rear Axles, Mounted on Dash	1/0	1
AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 50 thru 64.99 Pints	0/0	0
DEF TANK 9.5 US Gal (36L) Capacity, Frame Mounted Outside Left Rail, Under Cab	14/3	17
FUEL/WATER SEPARATOR {Racor 400 Series} 12 VDC Electric Heater, Includes Pre-Heater, with Primer Pump, Includes Water-in-Fuel Sensor, Mounted on Engine	-2/-3	-5
FUEL TANK Polished Aluminum, 26" Dia, 100 US Gal (379L), Mounted Left Side, Under Cab	45/26	71

<u>Description</u>	F/R Wt	Tot Wt
CAB Conventional, Day Cab	0/0	0
AIR CONDITIONER with Integral Heater and Defroster	0/0	0
GAUGE CLUSTER Base Level; English with English Electronic Speedometer	0/0	0
Includes : GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for : GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure : WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure (Primary and Secondary)		
IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	0/0	0
SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Cloth, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Adjustment, Rubber Bellows	0/0	0
MIRROR, CONVEX, HOOD MOUNTED {Lang Mekra} (2) Right and Left Side, Bright, 7.5" Sq.	11/0	11
SEAT, PASSENGER {National} Non Suspension, High Back, Fixed Back, Integral Headrest, Cloth	16/7	23
MIRRORS (2) Aero Pedestal, Power Adjust, Heated, Turn Signals, Bright Heads, Black Arms, 6.5" x 14" Flat Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width	0/0	0
Notes : Mirror Dimensions are Rounded to the Nearest 0.5"		
SEAT BELT All Orange; 1 to 3	0/0	0
CAB INTERIOR TRIM Diamond, for Day Cab	6/1	7
Includes : CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger : DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Reading Lights; Integral to Overhead Console, Center Mounted : 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		
MONITOR, TIRE PRESSURE Omit	-10/-1	-11
ARM REST, RIGHT, DRIVER SEAT	3/0	3
WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature	0/0	0
FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood	0/0	0
CAB REAR SUSPENSION Air Bag Type	0/0	0
INSTRUMENT PANEL Wing Panel	0/0	0
SUNSHADE, EXTERIOR Bright Finish, with Integral Clearance/Marker Lights	14/3	17
ACCESS, CAB Aluminum, Self-Cleaning, Open and Serrated Design, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab, Extended Cab or Sleeper Cab	-12/-2	-14
WHEELS, FRONT (Accuride 41730) DISC; 22.5x9.00 Rims, Standard Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs	-28/0	-28
WHEELS, REAR {Accuride 29001} DUAL DISC; 22.5x7.50 Rims, Powder Coat Steel, 5-Hand Hole, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs	0/0	0

INTERNATIONAL®	<b>Vehicle Specifications</b>
	2024 HV507 SFA (HV507)

April 18, 2023

<u>Description</u>	F/R Wt (lbs)	Tot Wt
PAINT IDENTITY, REAR WHEELS Omit Paint on Rear Disc Wheels	0/0	0
WHEEL BEARING, FRONT, LUBE {EmGard FE-75W-90} Synthetic Oil	0/0	0
(8) TIRE, REAR 11R22.5 Load Range G HSR 3 (CONTINENTAL), 494 rev/mile, 75 MPH, All-Position	0/0	0
(2) TIRE, FRONT 295/75R22.5 Load Range G AH37 (HANKOOK), 513 rev/mile, 75 MPH, All-Position	-34/0	-34
Services Section:		
WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A	0/0	0
Total Component Weight:	<b>8231/7748</b> (lbs)	<b>15979</b> (lbs)
	(lbs)	(lbs)

The weight calculations included in this proposal are an estimate of future vehicle weight. The actual weight as manufactured may be different from the estimated weight. Navistar, Inc. shall not be liable for any consequences resulting from any differences between the estimated weight of a vehicle and the actual weight.