

VOLVO TRUCKS

CUSTOMER PROPOSAL



VHD64BT300



Prepared For:

JOE HOPP

CITY OF AURORA

630-801-5230

jhopp@ci.aurora.il.us

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Prepared By:

DUANE GERDIN

SALES@COFFMANTRUCKS.COM

COFFMAN TRUCK SALES, INC.



Vehicle Spec

BASE MODEL		Description	Front Weight	Rear Weight	Price
004637	BASE MODEL	VHD64BT300	8,100	4,381	
MODEL PACKAGE					
S 012637	MARKETING MODEL	VHD64BT300	0	0	
S 99X76X	MANUFACTURING LOCATION	VOLVO TRUCKS - ASSEMBLED IN THE USA	0	0	
S 930001	SAFETY EQUIPMENT PACKAGE	BASIC SAFETY PACKAGE	0	0	
VEHICLE ADAPTATION					
S 114010	MARKET ADAPTATION	USA / USA TERRITORY MARKET ADAPTATION	0	0	
S 38XCNX	OPERATOR'S MANUAL LANGUAGE	ENGLISH	0	0	
S 125001	AREA/DOMICILE (EXHAUST)	49 STATE + CANADA / NON CALIFORNIA	0	0	
O 263202	VEHICLE APPLICATION	TRACTOR / END DUMP TRAILER	0	0	
S DKXG2X	GROSS COMBINATION WEIGHT	80,000 LB GROSS COMBINATION WEIGHT	0	0	
S 2MCA1X	VEHICLE GHG CERTIFICATION	GREEN HOUSE GAS COMPLETE VEHICLE CERTIFICATION	0	0	
S 3GCB1X	GHG VEHICLE APPLICATION	GREEN HOUSE GAS VOCATIONAL APPLICATION	0	0	
S 898003	VEHICLE WARRANTY QUALIFICATION	STANDARD HEAVY DUTY WARRANTY QUALIFIED	0	0	
S 259003	VEHICLE VOCATION	CONSTRUCTION SERVICE	0	0	
O 260007	OPERATING CONDITIONS	ON-OFF HIGHWAY, STARTING GRADES<18%	0	0	
S QCXA1X	TOPOGRAPHY	MOSTLY FLAT, MOST GRADES <3% (EX. OHIO)	0	0	
S E1BD1X	AMBIENT TEMPERATURE UPPER LIMIT	SUMMER AMBIENT TEMPERATURES DO NOT REGULARLY EXCEED 104 DEG F (40 DEG C)	0	0	
S 264001	LOADING SURFACE FACTOR	CONCRETE LOADING AND / OR UNLOADING SURFACE	0	0	
S DHX20X	OPERATING CLASS	OPERATING CLASS TWO (ON/OFF HIGHWAY)	0	0	
O 938002	CUSTOMER FLEET SIZE	REGIONAL FLEET 25 OR MORE VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND	0	0	



PASSIVE AND ACTIVE SAFETY

S 2CXD1X	CAB TYPE	HIGH-STRENGTH STEEL (HSS) DAY CAB	0	0
S DUXA1X	SRS AIR BAG	VOLVO SRS AIR BAG-DRIVER SIDE ONLY	0	0
S 43X40X	AUXILIARY DOWN VIEW MIRROR	DOWN VIEW MIRROR OVER PASSENGER DOOR	0	0
S 8ZDAAX	STABILITY CONTROL REGULATIONS	ELECTRONIC STABILITY CONTROL, REGULATION FMVSS	0	0
S ZMXA1X	ELECTRONIC VEHICLE STABILITY CONTROL	VOLVO ENHANCED STABILITY TECHNOLOGY (VEST)	0	0
S WPXA1X	ABS TRACTION CONTROL	TRACTION CONTROL WITH LIMITED DISABLE	0	0
O H9CA1X	ADDITIONAL TRACTION CONTROL DISABLE	FULL DISABLE FOR TRACTION CONTROL	0	0
O 5RXA1X	BACKUP ALARM	ELECTRIC BACKUP ALARM	1	2
O 3MBA1X	PARK BRAKE ALARM	PARK BRAKE ALARM, SOUNDS IF BRAKE OFF AND DRIVER'S DOOR OPENED	0	0

ENGINE

O 1017W1	ENGINE PACKAGE	VOLVO D13 405HP 2100RPM 1450 LBFT - EPA'17 EMISSION LEVEL	346	0
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ENGINE EQUIPMENT

S KWXA1X	AIR CLEANER	SINGLE STAGE AIR CLEANER	0	0
S JWXD1X	AIR INTAKE	HOOD MOUNTED AIR INTAKE	0	0
O H9XK1X	RADIATOR	1240 SQ IN, 2 ROW CORE RADIATOR	15	0
S K9X09X	COOLANT	EXTENDED LIFE ANTIFREEZE -34 F (-37 C)	0	0
S C4XE1X	COOLANT MANUFACTURER	CHEVRON	0	0
S 208029	FAN CLUTCH PACKAGE	ELECTRONIC VISCOUS CSI FAN CLUTCH	0	0
S NCXA5X	STARTER	DELCO REMY 12V 39MTHD STARTER	0	0
S PJXMGX	ALTERNATOR	135 AMP DELCO REMY 35SI PAD MOUNT ALTERNATOR (12V)	0	0
O 810113	BATTERY PACKAGE	3 VOLVO 760 CCA MAINTENANCE FREE 12V BATTERIES, 2280 CCA	36	12
S L4X16X	BATTERY BOX MOUNTING	BATTERY BOX, LEFT HAND SIDE, BEHIND FRONT FENDER	0	0
S NQXB1X	BATTERY BOX CONFIGURATION	BATTERY BOX - 3 CAPACITY	0	0
S L5XA1X	BATTERY BOX COVER	BASIC BATTERY BOX COVER	0	0
S NFXA0X	BATTERY DISCONNECT SWITCH	MANUAL BATTERY DISCONNECT MAIN SWITCH	0	0



O 428002	DIESEL EXHAUST FLUID TANK	11.9 GALLON LEFT HAND 22", FRAME MOUNTED (FILLED WITH 10 GALLONS OF DEF, WEIGHING 91 LBS, INCLUDED IN WEIGHT)	150	80
S 230046	EXHAUST SYSTEM	INTEGRATED DPF AND SCR MOUNTED RIGHT HAND SIDE UNDER CAB WITH SINGLE VERTICAL STACK BACK OF CAB	0	0
S 232079	EXHAUST OUTLET PACKAGE	12' 6" ALUMINIZED STAINLESS STEEL SINGLE STACK	0	0
S K0XD1X	EXHAUST FEATURES	TURNED OUT EXHAUST EXTENSION	0	0
S DVXC3X	LOWER EXHAUST PIPING	ALUMINIZED STAINLESS STEEL EXHAUST PIPE	0	0
S CUXB1X	EXHAUST PIPING FLEX SECTION	STAINLESS STEEL EXHAUST FLEX SECTION	0	0
S KNXC1X	EXHAUST SHIELD	ALUMINUM EXHAUST SHIELD	0	0
O JVXDFX	PRIMARY FUEL FILTER	DAVCO FUEL PRO 382 WITH 12 VOLT PRE-HEAT	13	0
S MBXA1X	PRIMARY FUEL FILTER LOCATION	STANDARD FUEL FILTER LOCATION	0	0
S J7XBDX	AUXILIARY FUEL SYSTEM EQUIPMENT	RETURN FUEL RECIRCULATION VALVE	0	0
S VWXCAX	COMPRESSOR	WABCO 31.8 CFM COMPRESSOR	0	0
O 5NXAVX	ENGINE BLOCK HEATER	PHILLIPS 120V 1000W LEFT HAND RECEPTACLE BLOCK HEATER	5	0
O EFXASX	ENGINE OIL PAN HEATER	120 VOLT, 150 WATT OIL PAN HEATER	5	0
O HTXA8X	ENGINE BRAKE	VOLVO ENGINE BRAKE (I-VEB)	0	0
O NDXA1X	ENGINE STARTING AID	ENGINE MOUNTED ELECTRIC PRE-HEATER	6	0
S QHXC1X	ENGINE OIL PAN	STAMPED STEEL OIL PAN (STANDARD OIL CHANGE INTERVALS)	0	0
O T1XK1X	PTO & PUMP, ENGINE MOUNTED REAR	REAR ENGINE MOUNTED PTO WITH SPLINED SHAFT GROOVE (FEMALE) DIN 5462	18	2
O UBXC1X	HYDRAULIC PUMP, ENGINE MOUNTED	PARKER F1-61	72	8

TRANSMISSION

O 270768	TRANSMISSION PACKAGE	ALLISON 4500 RDS SERIES 5 SPEED WITH PTO PROVISION - SCAAN REQUIRED BEFORE ORDERING	204	68
O B1EB1X	TRANSMISSION AUTO-NEUTRAL	ALLISON AUTO NEUTRAL SINGLE INPUT WITHOUT SHIFT SELECTOR OVERRIDE	0	0
S 4LDA1X	TRANSMISSION OUTPUT TORQUE	STANDARD OUTPUT TORQUE	0	0
O E1EFPX	ALLISON GPIO PACKAGE	ALLISON GPIO PACKAGE 146 CONSTRUCTION	0	0
O F5EB1X	PRESELECT GEAR IN ENG. BRAKE	ALLISON PRESELECTED GEAR DURING ENGINE BRAKING - FIFTH	0	0
O E5EDAX	PRIMARY CALIBRATION SHIFT MASK	PRIMARY CALIBRATION SHIFT SELECT MASK 5 SPEED, 2ND GEAR START	0	0



O E6EBAX	SECOND CALIBRATION SHIFT MASK	SECONDARY CALIBRATION SHIFT SELECT MASK 5 SPEED,1ST GEAR START	0	0
O 258023	TRANSMISSION VOCATION CODE	TRACTOR/TRAILER-ON/OFF HIGHWAY (14-65-20)	0	0
O T2XD1X	TRANSMISSION COOLER	WATER TO OIL COOLER, ALLISON TRANS	0	0
O T0XA1X	TRANSMISSION OIL LEVEL SENSOR	ELECTRONIC TRANS OIL LEVEL SENSOR	0	0
S THXC2X	DRIVELINE MANUFACTURER	SPICER LIFE DRIVELINE WITH GREASEABLE XL U-JOINTS	74	74
S TKXA1X	DRIVELINE	CALCULATED TO TORQUE REQUIREMENTS	0	0

PROGRAMMABLE FEATURES

S 9KAB1X	IDLE EMISSION CERTIFICATION	IDLE EMISSION CERTIFICATION, CARB 08	0	0
S Y7BB1X	IDLE EMISSION LABEL LOCATION	CAB MOUNTED CARB '08 DECAL LOCATION	0	0
S 78AC7X	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA 2018	0	0
S K7XA1X	ENGINE IDLE CONTROL (CMQ)	BASIC ENGINE IDLE CONTROL	0	0
S D3AAEX	AMBIENT TEMP MAX THRESHOLD (CMO)	MAXIMUM AMBIENT AIR TEMPERATURE OVERRIDE, 80 DEG F (27 DEG C)	0	0
S D2AACX	AMBIENT TEMP MIN THRESHOLD (CMN)	MINIMUM AMBIENT AIR TEMPERATURE OVERRIDE, 45 DEG F (7 DEG C)	0	0
S JDXD1X	CRUISE CONTROL (AG)	WITH ECO CRUISE CONTROL	0	0
S JFXLLX	CRUISE CONTROL, MAXIMUM SPEED (AI)	MAXIMUM CRUISE, 65 MPH (105 KM/H)	0	0
S Y3CC5X	PEDAL ROAD SPEED LIMIT SETTING (P1I16)	PEDAL ROAD SPEED LIMIT, 65 MPH (105 KM/H)	0	0
S JCXE6X	ROAD SPEED LIMIT SETTING (P1AOC)	ROAD SPEED LIMIT, 65 MPH (105 KM/H)	0	0
S E3AAEX	CRUISE CONTROL MIN SPEED (BK)	MIN CRUISE, 30 MPH (48 KM/H)	0	0
S X2BA1X	ROAD SPEED LIMIT CONTROL TYPE (P1I01)	WITH ECO RSL CONTROL	0	0
S 0NAA1X	OPTIMIZED FUEL ECON INDICATOR (P1LXM)	OPTIMIZED FUEL ECONOMY INDICATOR, SWEET SPOT	0	0
S X1BA1X	ENGINE LOAD IN PTO (CMM)	30% MINIMUM ENGINE LOAD LIMIT IN PTO BEFORE ALLOW IDLE SHUTDOWN	0	0
O W5BK1X	MAXIMUM ENGINE SPEED AT 0 MPH (P1ANA)	2000 MAXIMUM ENGINE RPM AT 0 MPH	0	0
S K5XA2X	ENGINE PROTECTION SYSTEM (P1FQT)	ENGINE PROTECTION (SHUTDOWN)	0	0



S X4BA1X	COOLANT WARM HOLD TEMP (KBS)	COOLANT WARM HOLD TEMP ENABLED	0	0
S R4BA1X	PRE-TRIP DIAGNOSTIC INSPECTION (JZU)	PRE-TRIP ASSISTANT	0	0
S 0RAD1X	DPF REGENERATION CONTROLS	DPF REGEN CONTROL, AUTO REGEN IN MOTION, MANUAL PARKED REGEN, MANUAL INHIBIT	0	0
S EXXGSX	PTO MAXIMUM ENGINE SET SPEED (AND)	PTO ENGINE MAXIMUM 700 RPM	0	0
S EYXGSX	PTO RESUME ENGINE SET SPEED (ANE)	PTO ENGINE RESUME 700 RPM	0	0

FRONT AXLE

S 370403	FRONT AXLE PACKAGE	VOLVO VF14 14,600 LB FRONT SPRINGS	19	0
S 70BC1X	BRAKE REGULATION	BRAKE REGULATION, STOPPING DISTANCE 250 FT (76M)	0	0
O 782005	FRONT BRAKE PACKAGE	FRONT BRAKE MERITOR, Q+ CAST, STANDARD LUBE	0	0
S U5XB1X	FRONT BRAKE DIMENSION	16.5X6 FRONT BRAKE SIZE	15	0
S U3XA1X	BRAKE TYPE, FRONT AXLE	CAST IRON FRONT BRAKE DRUM OUTBOARD MOUNTED	0	0
O LQXAVX	FRONT BRAKE LINING MATERIAL	BRAKE LINING MATERIAL FRONT, MERITOR MA 1501	0	0
S K2EA1X	BRAKE SHOE COATING FRONT	BRAKE SHOE COATING FRONT, BASIC	0	0
S UDXA1X	FRONT AXLE BRAKE DUST SHIELD	FRONT BRAKE DUST SHIELDS	0	0
S 0KXI5X	HUBS, FRONT AXLE	IRON PRESET PLUS FRONT AXLE HUB WITH INTEGRATED SPINDLE NUT	0	0
S ZGXE1X	FRONT OIL SEAL CAP	STEMCO VISIBLE CAP WITH DRAIN	0	0
S 7VXB1X	FRONT AXLE LUBRICANT	SYNTHETIC FRONT AXLE LUBRICANT	0	0
S XAXBFX	POWER STEERING GEAR	TRW THP60 INTEGRAL POWER STEERING GEAR	0	0
S 371071	FRONT SUSPENSION PACKAGE	PARABOLIC LEAF FRONT SUSPENSION	89	0
S IRXA1X	SPRING MAINTENANCE TYPE	LUBRICATED SPRING PINS AND BUSHINGS	0	0

REAR AXLE

S 330684	REAR AXLE PACKAGE	MERITOR MT-40-14X4D HYPOID (HEAVY DUTY HOUSING) 40,000 LB CAPACITY	0	156
O TAXFLX	REAR AXLE RATIO	3.70 REAR AXLE RATIO	0	0
S TUXB1X	DIFFERENTIAL LOCK	INTERAXLE DIFFERENTIAL LOCK	0	0



A 350376	REAR SUSPENSION PACKAGE	40K T-RIDE (5-LEAF SOFT RIDE) 54"	0	0
S YVXA1X	REAR SHOCK ABSORBER	REAR SHOCK ABSORBERS	0	53
O 783006	REAR BRAKE PACKAGE	REAR BRAKES MERITOR Q+, CAST, STANDARD LUBE	0	0
S U8XA1X	DRIVE AXLE BRAKE DIMENSION	16.5X7 REAR BRAKE SIZE	0	0
S U4XA1X	BRAKE TYPE, DRIVE AXLE	CAST IRON DRIVE AXLE BRAKE DRUM OUTBOARD MOUNTED	0	0
S UEXA1X	DRIVE AXLE BRAKE DUST SHIELD	REAR BRAKE DUST SHIELDS	0	0
O MAXBJX	DRIVE AXLE BRAKE LINING MATERIAL	BRAKE LINING MATERIAL DRIVE, MERITOR SOR2003	0	0
S J8EA1X	BRAKE SHOE COATING DRIVE	BRAKE SHOE COATING DRIVE, BASIC	0	0
S 0LX15X	HUBS, DRIVE AXLE	IRON PRESET PLUS DRIVE AXLE HUB WITH INTEGRATED SPINDLE NUT	0	0
S 7WXADX	REAR AXLE LUBRICANT	CHEVRON DELO GEAR LUBRICANT ESI SAE 80W-90 (APPROVED FOR MERITOR EXTENDED COMPONENT WARRANTY)	0	0
S 781056	PARKING BRAKE CHAMBER PACKAGE	FOUR CAM TYPE HALDEX	0	0
S V1AB1X	REAR BRAKE CHAMBER SIZE	REAR BRAKE CHAMBER 30 / 30 SQ INCHES (SERVICE / EMERGENCY)	0	0
S UKXA1X	CHAMBER STROKE LENGTH, DRIVE AXLE	BASIC LENGTH BRAKE CHAMBER STROKE	0	0
S 784009	FRONT AND REAR SLACK ADJUSTERS	HALDEX BRAKE ADJUSTER FRONT AND REAR	0	0
S O5BD1X	FRONT BRAKE CHAMBER SIZE	FRONT BRAKE CHAMBER 24 SQUARE INCHES (SERVICE)	0	0

CHASSIS

S 3XBDAX	DRIVER SIDE FRONT CHASSIS CONFIGURATION	LEFT HAND BATTERY BOX - 3 CAPACITY, DEF TANK MOUNTED BEHIND BATTERY BOX (VHDB)	0	0
S 3YBAFX	PASSENGER SIDE FRONT CHASSIS CONFIGURATION	INTEGRATED DPF & SCR (VNR / VNL / VHDB)	0	0
O 400192	WHEELBASE	192" WHEELBASE	230	230
S 402055	OVERHANG	55" OVERHANG	0	132
O KBXA2X	FUEL TANK SHAPE - DIESEL	22" DIA D-SHAPED FUEL TANK	0	0
O J8XBXX	FUEL TANK, LEFT HAND SIDE - DIESEL	70 GALLON LEFT HAND FUEL TANK	2	3
S J9XK1X	FUEL TANK, RIGHT HAND SIDE - DIESEL	NO RIGHT HAND DIESEL TANK PROVIDED	0	0



S KEXA1X	FUEL TANK MATERIAL - DIESEL	ALUMINUM FUEL TANK MATERIAL	0	0
S HBXB1X	FUEL TANK POSITION - DIESEL	FUEL TANK POSITION 1	0	0
S 8NAA1X	DPF COVER	DPF COVER, PAINTED STEEL	0	0
S U6BA1X	DIESEL EXHAUST FLUID TANK COVER	PAINTED DIESEL EXHAUST FLUID TANK COVER	0	0
S JHXA1X	FUEL LINES	NYLON FUEL LINES	0	0
S KHXA1X	FUEL TANK STRAPS	PAINTED STEEL FUEL TANK STRAPS	0	0
S KFXA1X	FUEL TANK CAP / DEF TANK CAP	NON-LOCKING FUEL TANK CAP	0	0
S 8HAA1X	AIR TANK ARRANGEMENT	AIR TANK ARRANGEMENT, BASIC	0	0
S U2XB1X	AIR TANKS	STEEL AIR TANKS	0	0
S VHXD7X	AIR DRYER	MERITOR WABCO AIR DRYER, 1200UP WITHOUT TURBO CUT OFF VALVE, WITH HEATER AND COALESCING OIL FILTER	0	0
S UWXB1X	AIR TANK DRAIN VALVE	MANUAL PULL CORD ON BRAKE SYSTEM TANKS	1	0
O 403005	FRAME RAIL PACKAGE	11.81"X3.54"X.31" STRAIGHT STEEL RAILS	0	0
S X4X99X	FRONT FRAME EXTENSION	NO FRONT FRAME EXTENSION PROVIDED	0	0
S 8EXB1X	INTERMEDIATE CROSSMEMBER MATERIAL	STEEL CROSSMEMBER MATERIAL	80	84
S OAXA1X	INTERMEDIATE CROSSMEMBER CONFIGURATION	BASIC INTERMEDIATE CROSSMEMBER	0	0
S X6XB1X	REAR FRAME TREATMENT	TAPERED REAR CROSSMEMBER, 27 DEGREE	0	22
S 4DXE3X	FRONT BUMPER	STEEL CONSTRUCTION BUMPER-THREE PIECE	0	0
S FRXA1X	BUMPER POSITION	BUMPER MOUNTED STANDARD POSITION	0	0
S 65XB1X	FRONT FENDER EXTENSION	NO FRONT FENDER EXTENSION PROVIDED	0	0
S 4EXB1X	FRONT TOWING DEVICE	TWO FRONT TOWING DEVICES	0	0
S Q8CH1X	MAIN CHASSIS WIRING HARNESS COVERING	HEAVY DUTY MAIN CHASSIS WIRING HARNESS COVERING	0	0
S U7CFFX	LH FUEL TANK FACE LOCATION	LH FUEL TANK FRONT FACE @ XM=4525	0	0

TRANSPORT ADAPTATION

O 490258	FIFTH WHEEL PACKAGE	SAF HOLLAND FW35 AIR SLIDE RH RELEASE FIFTH WHEEL	38	388
S E5BAVX	GROUND TO 5TH WHEEL TOP HEIGHT	50.5" FIFTH WHEEL HEIGHT	0	0
O 6JXB1X	SLIDING FIFTH WHEEL TRAVEL	24.0 INCHES OF FIFTH WHEEL TRAVEL	3	31



S LIXA1X	FIFTH WHEEL ANGLE MATERIAL	STEEL FIFTH WHEEL ANGLES	0	0
S 6BX54X	FIFTH WHEEL REARMOST POSITION	27" BEHIND FORWARD DRIVE AXLE CENTER (-685MM)	0	0
O 51XC1X	HOSEHANGERS	POGO STICK	3	3
O WHXB1X	TRAILER BRAKE CONNECTION POSITION	FRAME MOUNTED TRAILER BRAKE CONNECTION	0	0
O WKXHJX	HOSE TENDER POSITION	197" (5000MM) BEHIND FRONT X MAIN	0	0
O 52XB1X	TRAILER ELECTRICAL CABLE	DETACHABLE TRAILER CABLE	1	0
O 5ZXA1X	TRAILER BRAKE HOSES & CABLES	15' COILED TRAILER BRAKE HOSES AND CABLE	3	0
O WLXA1X	TRAILER BRAKE HAND CONTROL	FULL PRESSURE TRAILER BRAKE HAND CONTROL	2	0
S 6WXA1X	CENTER CONSOLE FOR BODY CONTROLS	MOUNTING PLATE ONLY FOR BODY CONTROLS	0	0
S L3XA1X	BODY BUILDER ELECTRICAL PREP	ELECTRICAL PREP KIT, BASIC, FOR BODY BUILDER - DOES NOT INCLUDE BBM ECU	-1	8

CAB EXTERIOR

S 2DX05X	CAB SUSPENSION	MECHANICAL CAB SUSPENSION WITH SHOCKS	0	0
S 21XA1X	AUXILIARY REAR WINDOW	STANDARD REAR WINDOW	0	0
O D2XB1X	WIPER BLADE	ARCTIC WIPER BLADE	1	0
S 28XA1X	FRONT GRILLE	BLACK MOLDED FRONT GRILLE	0	0
S 0EAC1X	AIR INTAKE GRILLE FINISH	AIR INTAKE GRILLE, BLACK	0	0
S LZXD1X	AIR HORN	DUAL TRUMPET MOUNTED UNDER CAB	0	0
S 3FX51X	EXTERIOR SIDE VIEW MIRRORS	BLACK VOCATIONAL MIRRORS WITH LONG ARMS	0	0
S 3GXC1X	EXTERIOR MIRROR FEATURES	HEATED, POWER AXIS MIRROR, BOTH SIDES	2	0
S 4NXB1X	EXTERIOR SUNVISOR	EXTERIOR SUN VISOR WITH CLEAR LENS LED MARKER LAMPS	0	0

CAB INTERIOR

S 540088	INTERIOR TRIM PACKAGE	FLEET - VINYL PANELS WITH METAL HEX TRIM	0	0
S 1DAF1X	DRIVER SEAT MFG AND SERIES	NATIONAL DRIVER SEAT	0	0
S I5DA1X	DRIVER SEAT PROFILE	STANDARD WIDTH, HIGH BACK	0	0
O 520102	DRIVER SEAT	X2 RAVEN CLOTH WITH METALLIC ACCENT	0	0
S 3ZXG2X	DRIVER SEAT SUPPORT	DRIVER SEAT - AIR SUSPENDED	0	0
S I7DA1X	DRIVER SEAT COMFORT	DRIVER SEAT - ONE AIR ADJUSTABLE LUMBAR CHAMBER	0	0



S 1GAF1X	PASSENGER SEAT MANUFACTURER AND SERIES	NATIONAL PASSENGER SEAT	0	0
S I6DA1X	PASSENGER SEAT PROFILE	STANDARD WIDTH, HIGH BACK	0	0
O 521102	PASSENGER SEAT	X2 RAVEN CLOTH WITH METALLIC ACCENT	0	0
S 34XAAX	PASSENGER SEAT SUPPORT	PASSENGER SEAT - FIXED WITH INTEGRATED STORAGE	0	0
O 3PXA5X	SEAT ARMREST	INBOARD / OUTBOARD DRIVER SEAT ARMREST	6	0
S 0HAA1X	SEAT SUPPORT, DUST COVER	SEAT BASE DUST COVER, DRIVER SIDE	0	0
S K7AA1X	SAFETY BELT LENGTH	STANDARD SAFETY BELT LENGTH	0	0
S OUXA1X	SAFETY BELT DRIVER SEAT	SAFETY BELT DRIVER SEAT, BLACK	0	0
S OXXA1X	SAFETY BELT PASSENGER SEAT	SAFETY BELT PASSENGER SEAT, BLACK	0	0
S 4AXB1X	CLIMATE UNIT	INTEGRAL AIR CONDITIONER WITH HEATER - MANUAL CONTROLS	0	0
S 31XK2X	FLOOR MATS	FRONT FLOOR INSERTS, RUBBER	0	0
S 4JXD1X	STORAGE OVERHEAD DRIVER	NETTED OVERHEAD STORAGE (DRIVER/PASSENGER SIDES) WITH CB MOUNTING AND AUXILIARY SWITCHES	0	0
S XRXB1X	STEERING WHEEL ADJUSTMENT	STANDARD STEERING WHEEL ADJUSTMENT	0	0
S 7BAA3X	STEERING WHEEL	STANDARD STEERING WHEEL COVERING	0	0
S 571020	GAUGE PACKAGE	EIGHT GAUGE INSTRUMENT CLUSTER	0	0
O PGXA1X	TRANSMISSION TEMPERATURE GAUGE	TRANSMISSION TEMPERATURE GAUGE	0	0
S 9NDB1X	TRIP METER	TRIP METER, TWO TRIPS	0	0
S PVXA2X	AIR RESTRICTION INDICATOR	GRADUATED ARI ON FILTER	0	0
S N8XD1X	SPEEDOMETER GRADUATION	MPH SPEEDOMETER GRADUATION	0	0

LIGHTING

S NJXZ1X	AUXILIARY LAMPS	NO AUXILIARY LAMPS PROVIDED	0	0
S 836005	HEADLAMPS	LED HEADLAMPS WITH BASIC DRL	0	0
S LSXG1X	DAYTIME RUNNING LAMPS	EQUIPPED WITH DAYTIME RUNNING LIGHTS	0	0
S NEXH1X	STOP AND TAIL LIGHTS	DUAL INTEGRATED SUPER 60 LED TAIL LIGHTS WITH SEPARATE LED BACKUP LIGHT - ALL LIGHTS MOUNTED IN TAPERED CROSSMEMBER	0	0
S NPXB1X	TURN SIGNAL SWITCH	SELF CANCELLING TURN SIGNAL SWITCH	0	0



AUDIO SYSTEM

S 590014	RADIO PACKAGE	AM / FM / CD / MP3 / USB / BLUETOOTH RADIO	0	0
S 73AJ1X	RADIO ANTENNA	SINGLE RIGHT HAND 48 INCH MIRROR MOUNTED RADIO ANTENNA	2	0
S N0XA1X	MARKER INTERRUPTER SWITCH	MARKER INTERRUPTER SWITCH	0	0
S 5CXA1X	RADIO SPEAKERS	SPEAKERS IN DASH ONLY	0	0
S 5JXB1X	CB RADIO MOUNTING	OVERHEAD MOUNTED CB HOLD DOWN	0	0
S 5BXB5X	CB ANTENNA	SINGLE LEFT HAND 48 INCH MIRROR MOUNTED CB ANTENNA	0	0

MISC CAB EQUIPMENT

S 3AXB1X	DOOR LOCKS CAB	MANUAL CAB DOOR LOCKS	0	0
O 20XB1X	KEY TYPE	KEYED ALIKE OPTION #1	0	0
S 8BXB1X	KEY QUANTITY PER UNIT	4 KEYS PROVIDED PER UNIT	0	0
O EAXC1X	AUXILIARY SWITCH	THREE (3) AUXILIARY SWITCHES WITH WIRING, 15 AMP PER SWITCH	2	0
O W7DA5X	AUXILIARY DASH SWITCH PANEL	AUXILIARY DASH SWITCH PANEL, 10	0	0
O 40XL2X	FIRE EXTINGUISHER	5 POUND ABC DRY TYPE, RECHARGEABLE, MOUNTED IN CAB	5	2
O 4VX31X	AUXILIARY SAFETY EQUIPMENT	TRIANGLE REFLECTOR KIT	3	1

TIRES AND WHEELS FRONT

S 093871	TIRE PACKAGE FRONT	315/80R22.5L BRIDGESTONE M870 (20000 LBS. GAWR) ON/OFF ROAD USAGE	336	0
S 4WCC1X	TIRE CLASSIFICATION FRONT	GHG FRONT TIRE CLASSIFICATION, LOW ROLLING RESISTANCE	0	0
S 084562	RIM/WHEEL PACKAGE FRONT	22.5X9.00 ACCURIDE STEEL POWDER COAT WHITE 286BC 5 HAND HOLES HUB PILOTTED	206	0
S 907002	FRONT WHEEL AND TIRE QUANTITY	TWO FRONT WHEELS AND TIRES	0	0

TIRES AND WHEELS REAR

O 094751	TIRE PACKAGE REAR	11R22.5G BRIDGESTONE M760 ECOPIA (23360 LBS. GAWR) LONG / REGIONAL HAUL	0	1,080
O 4XCE1X	TIRE CLASSIFICATION REAR	GHG REAR TIRE CLASSIFICATION, BASIC	0	0
S 085069	RIM/WHEEL PACKAGE REAR	22.5X8.25 ACCURIDE STEEL POWDER COAT WHITE 286BC 5 HAND HOLES HUB PILOTTED	0	544
S 908008	DRIVE WHEEL AND TIRE QUANTITY	EIGHT DRIVE WHEELS AND TIRES	0	0



MISC TIRE EQUIPMENT

S 15XABX	TIRE INFLATION VALVE	TIRE INFLATION VALVE, STANDARD	0	0
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PAINT

S 950800	CAB PAINT SCHEME	SINGLE COLOR PAINT	0	0
S 9801T4	FIRST TRUCK COLOR	GLACIER WHITE; P3029	0	0
S MPB980	CAB COLOR	CAB SAME AS FIRST COLOR	0	0
S MPD980	HOOD COLOR	HOOD SAME AS FIRST COLOR	0	0
S MPE980	COWL COLOR	COWL SAME AS FIRST COLOR	0	0
S 987980	BUMPER COLOR	BUMPER SAME AS FIRST COLOR	0	0
S 996980	SUN VISOR COLOR	SUN VISOR SAME AS FIRST COLOR	0	0
S 9861U1	CHASSIS COLOR	BLACK P3036	0	0
S 988401	DISC WHEEL OR RIM COLOR	STEEL DISC WHEELS-PREPAINTED WHITE, POWDER-COAT, ALUMINUM OR STYLIZED DISC-UNPAINTED	0	0

BUSINESS SERVICES

S 9LAA1X	PRE-DELIVERY INSPECTION	PRE-DELIVERY INSPECTION, BASIC	0	0
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BASE WARRANTY AND PURCHASED COVERAGES

S 899302	WARRANTY TYPE	HEAVY_DUTY_STANDARD_BASE_COVERAGE 12_MONTHS/100,000_MILES	0	0
S 896900	VOLVO D11/D13 ENGINE EXTENDED COVERAGE	VOLVO D11/D13 BASE ENGINE COVERAGE - 24MTHS/250K MILES	0	0
S 875001	VEHICLE EMISSIONS COMPONENTS COVERAGE	US & CANADA VOLVO ENGINE EQUIPPED VEHICLE EMISSIONS COMPONENTS COVERAGE_60 MONTHS/100K_MILES	0	0
S 888900	ADDITIONAL EXTENDED CHASSIS TOWING COVERAGE	BASE CHASSIS TOWING COVERAGE, 90 DAY/5000 MILE/8050 KILOMETER	0	0
S 874900	ADDITIONAL EXTENDED ENGINE TOWING COVERAGE	BASE VOLVO ENGINE TOWING COVERAGE, 24 MO/250K MILE	0	0
S 693001	MATERIALS SURCHARGE	MATERIALS SURCHARGE NET/NET NO DISCOUNT	0	0
S 866011	REMOTE DIAGNOSTICS BUNDLE	REMOTE DIAGNOSTICS WITH REMOTE PROGRAMMING - 24 MONTHS	0	0
S 867001	UPTIME CENTER BUNDLE	ASIST AND VOLVO ACTION SERVICE - 24 MONTHS	0	0

DEALER OPTIONS



D 001	DEALER OPTION	HALF FENDERS, HYD TANK AND WET KIT	0	0
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SUB TOTALS

BASE WEIGHT	8,100	4,381
FACTORY OPTION WEIGHT	1,998	2,987
DEALER OPTION WEIGHT	0	0

TOTALS

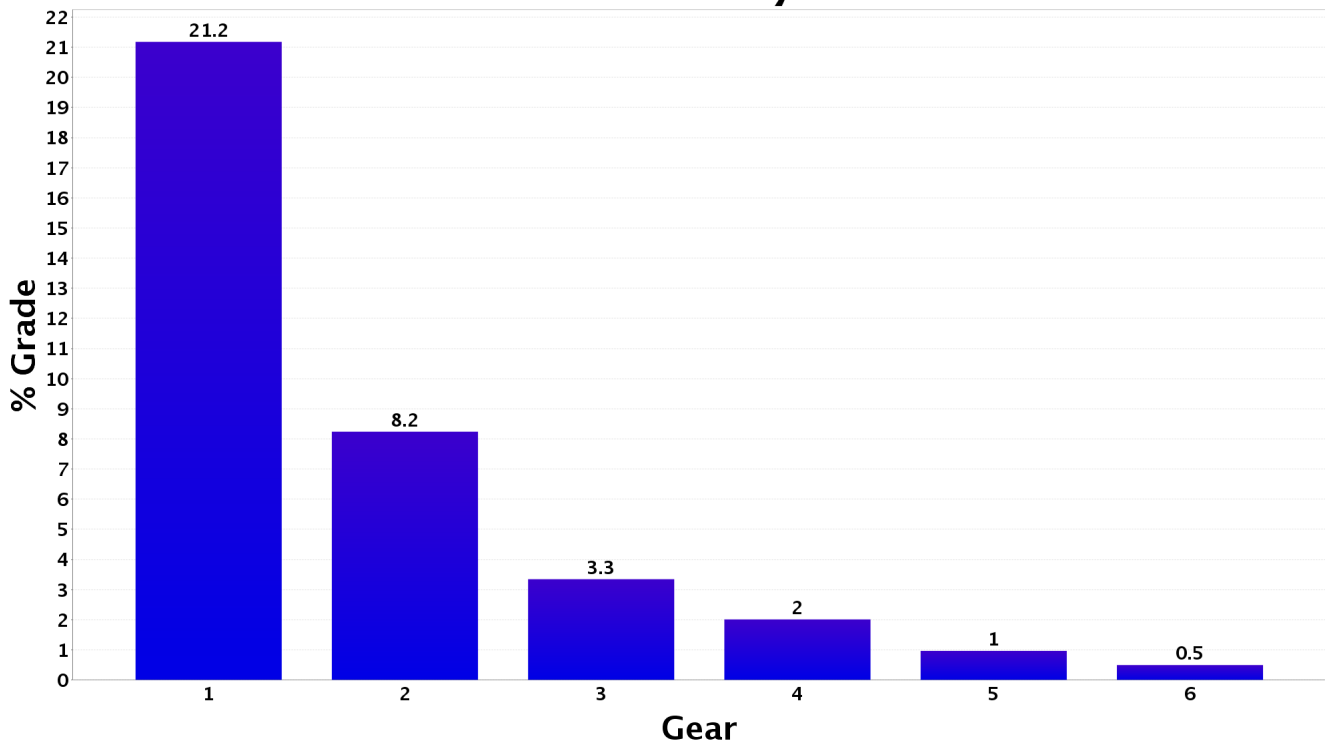
TOTAL WEIGHT(LB)	10,098	7,368	17,466
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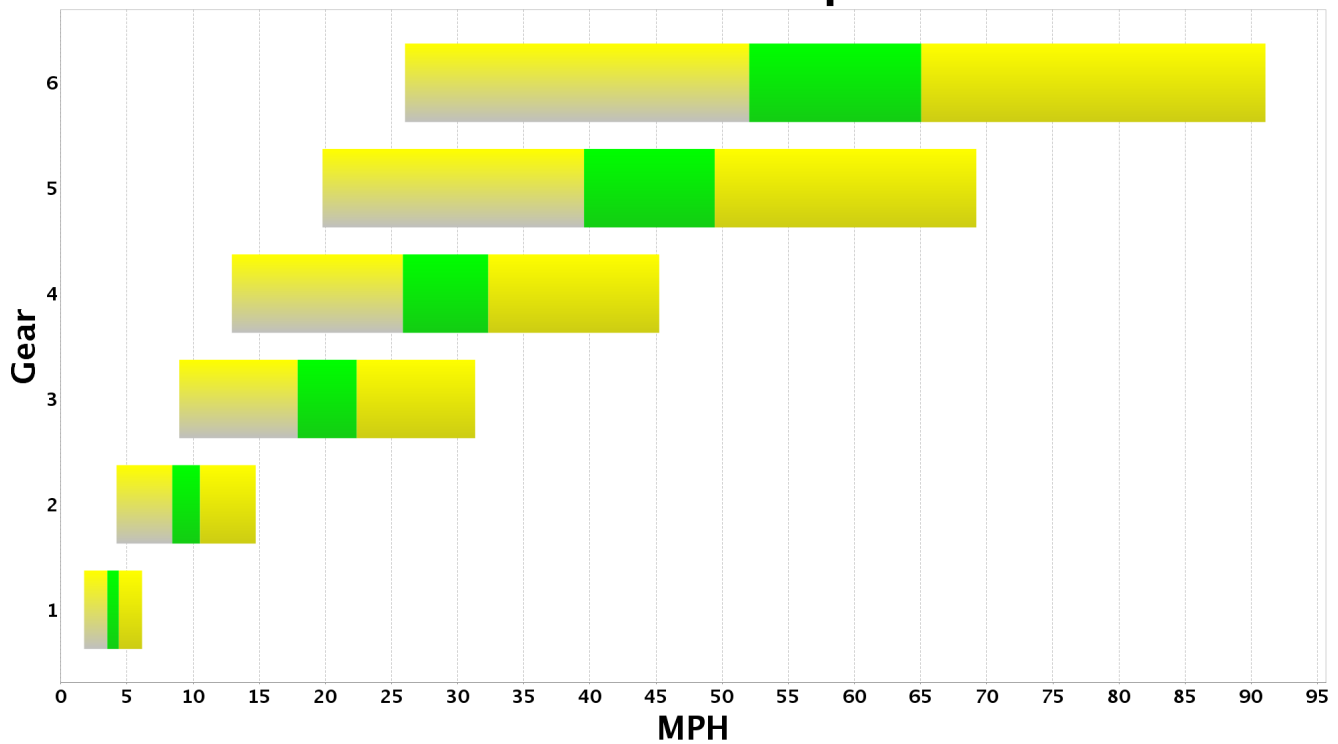
Predictor Information				
INPUTS REQUIRED	VALUE			
Vehicle Type	FullAeroTractor			
Desired Cruise Speed	58.0			
Desired Road Speed Limit (RSL)	65.0			
Performance Level	PL5			
Frontal Area (ftsq)	68.0			
HP/Accessory Loss	11.0			
VEHICLE SPECIFICATION SUMMARY				
Model	VHD64BT300			
Gross Combination Weight	80,000 LB GROSS COMBINATION WEIGHT			
Vehicle Application	ON-OFF HIGHWAY, STARTING GRADES<18%			
Body/Trailer Type	TRACTOR / END DUMP TRAILER			
Loading/Unloading Surface Type	CONCRETE LOADING AND / OR UNLOADING SURFACE			
Engine	VOLVO D13 405HP 2100RPM 1450 LBFT - EPA'17 EMISSION LEVEL			
Peak Power	415 HP @ 1500 - 1700 RPM			
Peak Torque	1499 lb-ft @ 1000			
Transmission	ALLISON 4500 RDS SERIES 5 SPEED WITH PTO PROVISION - SCAAN REQUIRED BEFORE ORDERING			
Rear Axle	MERITOR MT-40-14X4D HYPOID (HEAVY DUTY HOUSING) 40,000 LB CAPACITY			
Rear Axle Ratio	3.70			
Rear Tire	11R22.5G BRIDGESTONE M760 ECOPIA (23360 LBS. GAWR) LONG / REGIONAL HAUL			
Tire RPM	492			
Total Reduction	2.81			
CALCULATED PERFORMANCE SUMMARY				
	MPH	RPM	DESIRED/RECOMMENDED VALUE	STATUS
Engine RPM @ 65 MPH	65.0	1498		
Engine RPM @ Desired Cruise Speed	58.0	1337	1200 - 1500 RPM	OK
Engine RPM @ Road Speed Limit (RSL)	65.0	1498	< 2100	OK
Sweet Spot Cruise Speed Range in Top Gear	52.0 - 65.1	1200 - 1500		
Top Gear Speed Range	26.0 - 91.1	1000 - 2100	65.0	OK
Minimum Practical Speed in Reverse	3.6	600		
Maximum Practical Speed in Reverse	12.5	2100		
Minimum Practical Speed in Lowest Forward Gear	1.8	600		
Maximum Practical Speed in Lowest Forward Gear	6.1	2100		
Concrete / Asphalt				
Wheel HP Required at (58.0 MPH) Cruise Speed	193.2 / 197.8 HP			
Wheel HP Required at (65.0 MPH) Road Speed Limit	233.0 / 238.7 HP			
Wheel HP Required at (91.1 MPH) Top Speed	430.9 / 442.3 HP			
Gradeability		Recommended Min. Gradeability in Top Gear		
Maximum in Top Gear (Concrete)	1.6%	1.9	CHECK!	
Maximum in Top Gear (Asphalt)	1.4%	1.9	CHECK!	
Startability		Recommended Min. Startability		
In Lowest Gear	21.2%	18.0	OK	
Loading/Unloading Surface Type	CONCRETE LOADING AND / OR UNLOADING SURFACE			
		Recommended Speed on 1.5% Grade		
Speed on a 1.5% Grade (Concrete)	48.6 MPH	> 67 MPH	CHECK!	
	@1120 RPM in 6th gear	PL5		
Suggested Value for Gear Down Vehicle Speed	RSL - 10			
Driveability Rating				
100% Max Power available after shift	Very Good			
95% Very Good >90% Acceptable				
Performance Level		Recommended Speed on 1.5% Grade	Min Gradeability in Top Gear	
PL5 - High Performance	> 67 MPH	1.9%		
PL4 - Performance	61 - 67 MPH	1.7%		
PL3 - Economy	54 - 60 MPH	1.5%		
PL2 - Fleet / Construction	47 - 53 MPH	1.3%		
PL1 - Heavy Haul	40 - 46 MPH	1.1%		



Startability

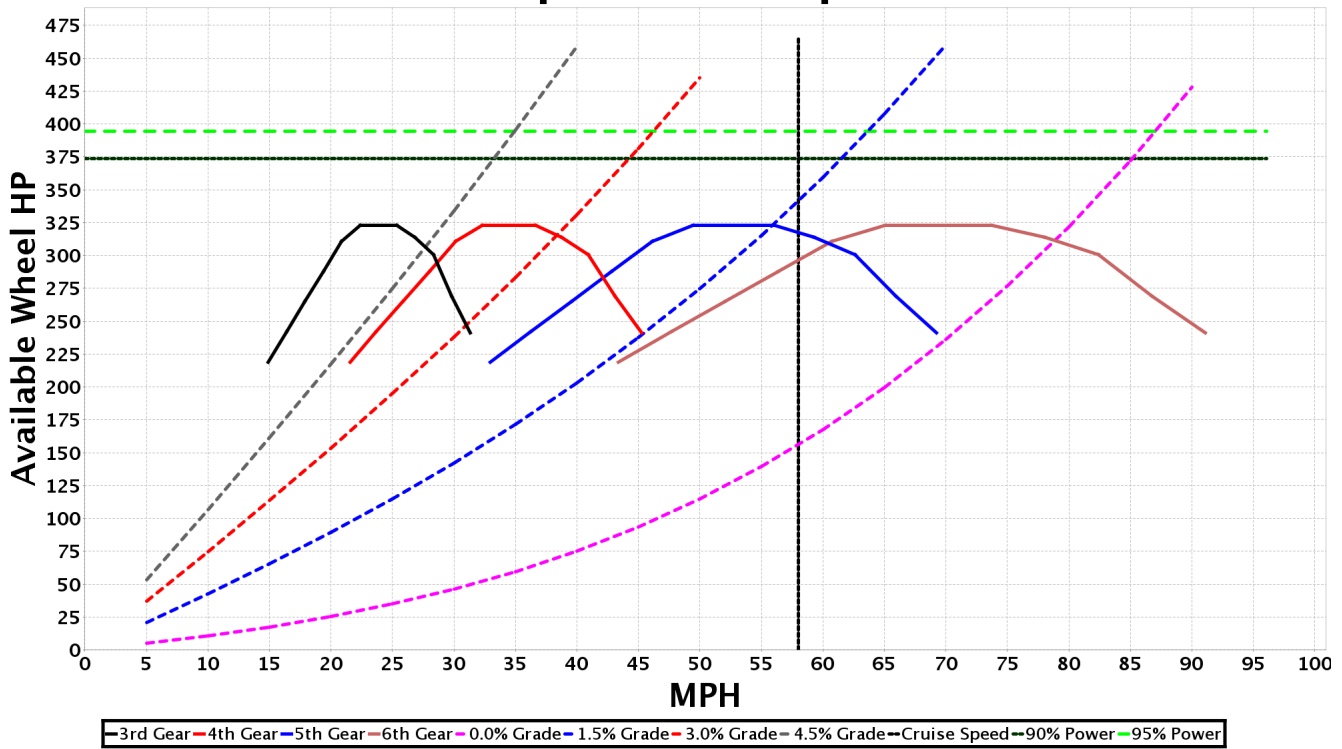


Forward Geared Speed

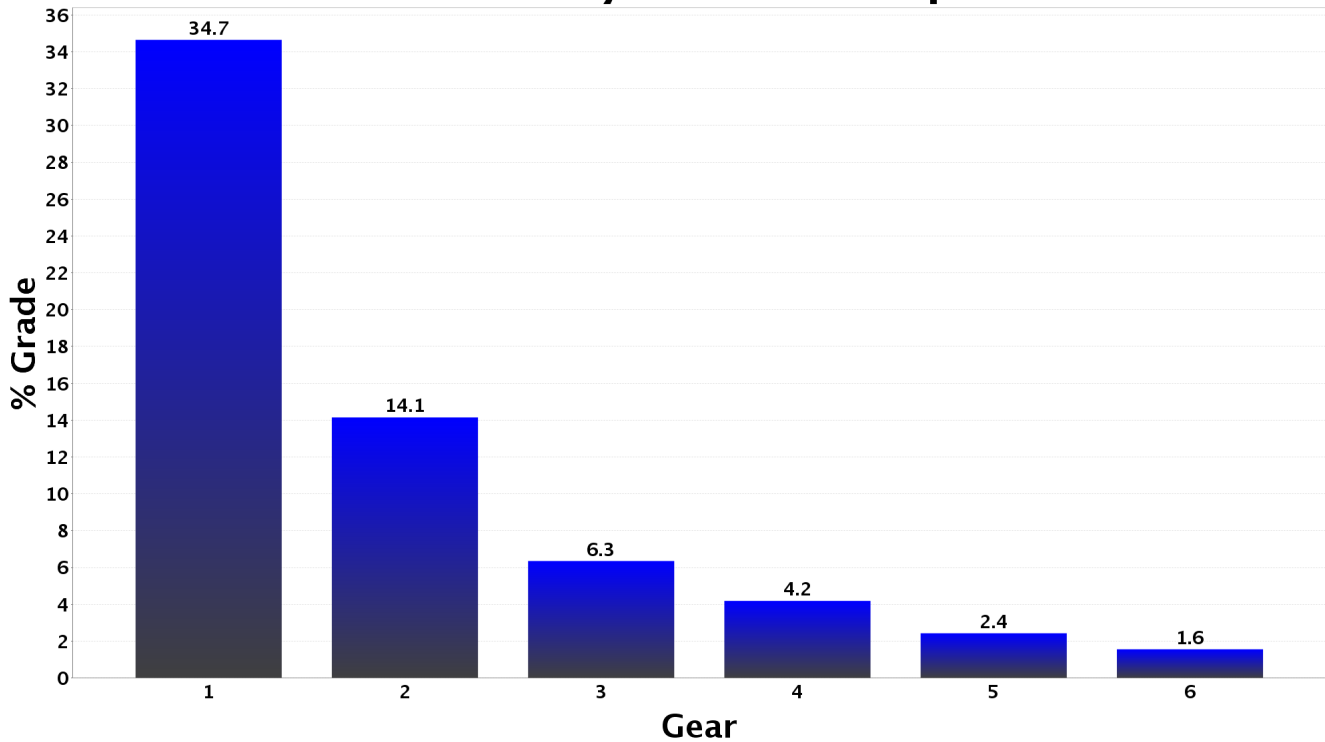




Horsepower vs. Speed

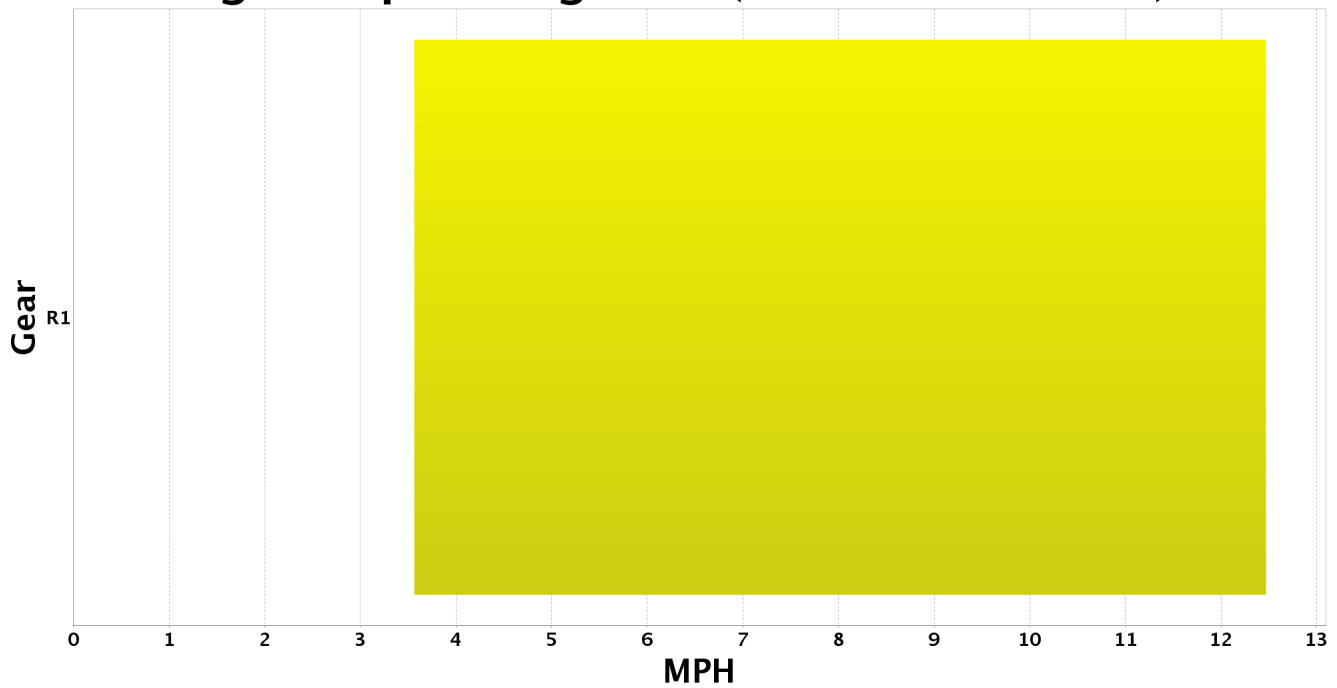


Gradeability at Max Torque



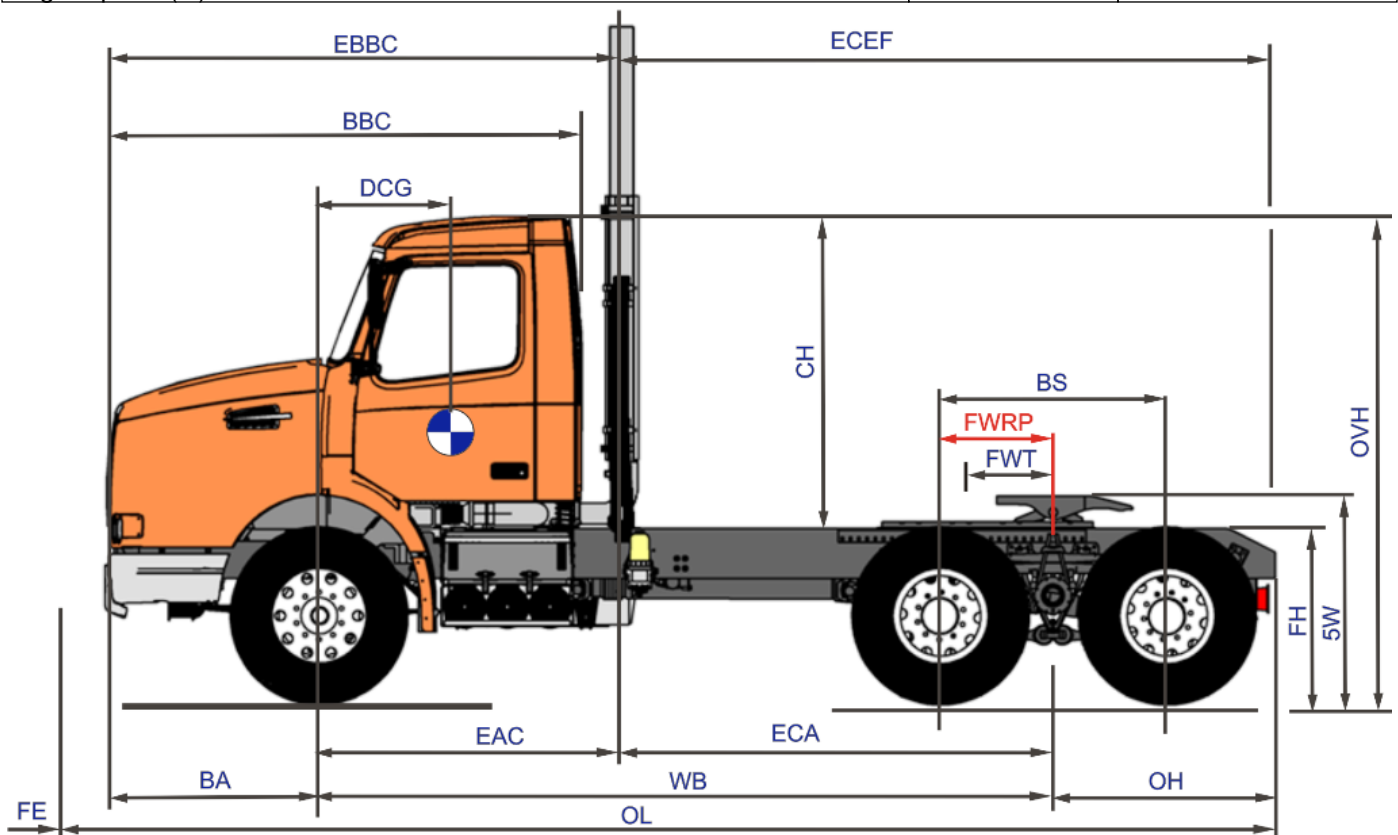


Reverse Geared Speed Engine Operating RPM (600 – 2100 RPM)





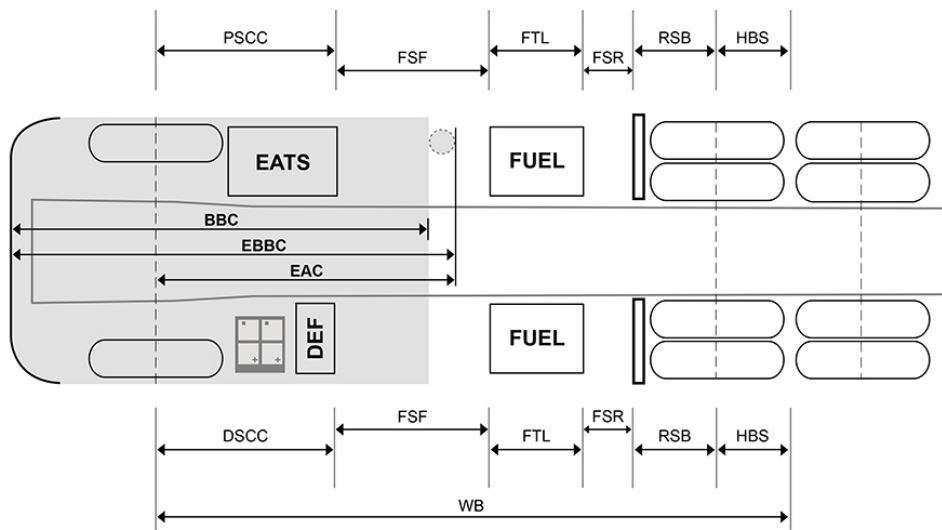
DIMENSIONS		
DESCRIPTION	DWG REF	LENGTH (in)
Front Frame Extension(in)	FE	0.0
Bumper to Front Axle(in)	BA	51.2
Wheelbase(in)	WB	192.0
Overhang(in)	OH	55.0
Overall Length(in)	OL	298.2
Bumper to Back of Cab(in)	BBC	113.6
Eff. Bumber to Back of Cab(in)	EBBC	121.6
Eff. Cab to Rear Axle(in)	ECA	121.6
Eff. Front Axle to Back of Cab(in)	EAC	70.4
Eff. Cab to End of Frame(in)	ECEF	176.6
Unladen 5th Wheel Height(in)	5W	50.5
Unladen Frame Height(in)	FH	42.7
Cab Height(in)	CH	74.3
Overall Height(in)	OVH	117.0
Driver CG(in)	DCG	42.0
Fifth Wheel Rearmost Position(in)	FWRP	27.0
Fifth Wheel Travel(in)	FWT	24.0
Bogie Spread(in)	BS	54.0





Caution, if your deal has any unpublished/altered options, the dimensions in top view could be inaccurate

DIMENSIONS - TOP VIEW				
DESCRIPTION	SALES CODE	DWG REF	DRIVER SIDE (in)	PASSENGER SIDE (in)
192" WHEELBASE	400192	WB	192.0	192.0
BUMPER TO BACK OF CAB	N/A	BBC	113.6	113.6
EFF. BUMPER TO BACK OF CAB	230046	EBBC	121.6	121.6
EFF. FRONT AXLE TO BACK OF CAB	230046	EAC	70.4	70.4
LEFT HAND BATTERY BOX - 3 CAPACITY, DEF TANK MOUNTED BEHIND BATTERY BOX (VHDB)	3XBDAX	DSCC	60.8	0.0
INTEGRATED DPF & SCR (VNR / VNL / VHDB)	3YBAFX	PSCC	0.0	75.2
FRAME SPACE, FRONT OF FUEL TANK	N/A	FSF	1.6	0.0
70 GALLON LEFT HAND FUEL TANK	J8XBXX	FTL	40.6	0.0
NO RIGHT HAND DIESEL TANK PROVIDED	J9XK1X	FTL	0.0	0.0
FRAME SPACE, REAR OF FUEL TANK	N/A	FSR	33.0	60.8
40,000 LB VOLVO T-RIDE (2-LEAF FIRM RIDE) 54" SPACING	350377	RSB	29.0	29.0
54" BOGIE SPREAD (1370MM)	GWXDGX	HBS	27.0	27.0





Deal Summary

All figures are in US dollars

Price Level: Aug 06, 2018 K Page: 14 Date: Thu Feb 07 2019

Deal: City of Aurora VHD64BT Dealer ID: 5515D

QUANTITY 1

EQUIPMENT TOTAL

HIGH-STRENGTH STEEL (HSS) DAY CAB

BASE CHASSIS LIST:	\$141,031.00
FACTORY OPTIONS LIST:	\$27,696.00
VHD64BT300	\$168,727.00
FREIGHT	\$2,200.00
ADD'L PURCHASED COVERAGES	\$0.00
DEALER OPTIONS	\$3,000.00
ADD'L WARRANTY	\$0.00
SOURCEWELL PRICING CONCESSION:	\$49,020.08
TOTAL EQUIPMENT PRICE	\$124,906.92

OTHER CHARGES

TITLE, TAGS, & REGISTRATION	\$216.00
TOTAL QUOTE	\$125,122.92
BALANCE DUE	\$125,122.92