

TECHNICAL SPECIFICATION

GRANITE 64BR

N4841



CUSTOMER/VEHICLE INFO		DESCRIPTION
S	CHASSIS (BASE MODEL)	GRANITE 64BR
	VEHICLE USE & BODY/TRAILER TYPE	DUMP TRUCK
	TRAILER TYPE	FIXED DRAWBAR TRAILER AND CENTERED AXLES

ENGINE/TRANSMISSIONS		DESCRIPTION
S	ENGINE / MOTOR	MP8-505C MACK 505HP @ 1500-1700 RPM (PEAK) 2100 RPM (GOV) 1850 LB-FT, US'21
	TRANSMISSION	MACK TMD13AFO-HD mDRIVE HD 13 SP, CREEPER/ MULTI-SPEED REVERSE (OVERDRIVE)

EXHAUST/EMISSIONS		DESCRIPTION
S	DPF DIESEL PARTICULATE FILTER	CLEARTECH ONE BOX E.A.T.S. RH SIDE UNDER CAB US17 / US21
	DIESEL EXHAUST FLUID TANK	8.7 GALLON (33 L) 26" LEFT SIDE FUEL TANK MTD
S	EXHAUST	SINGLE VERTICAL RIGHT SIDE OUTBOARD MOUNTED STRAIGHT EXHAUST STACK TURNED OUT END

ENGINE EQUIPMENT		DESCRIPTION
CA	BATTERY BOX - MOUNTING (x)	RELOCATE SINGLE BATT BOX, RH RAIL, REARWARD OF F/A CL, 143" TO BOX FRONT
	ENGINE BRAKE	MACK MP8 POWERLEASH
	ENGINE HEATERS	GRID HEATER + 120v 1500w BLOCK HEATER

CLUTCH/TRANS EQUIPMENT		DESCRIPTION
S	CLUTCH	ZF/SACHS SINGLE PLATE 17" (430MM) ORGANIC MATERIAL

FRONT AXLE EQUIPMENT		DESCRIPTION
CA	FRONT AXLE	FXL18 STD LOC W/2ND FXL18 (same beams) TEMP MTD TO FRAME FOR LOCAL CONVERSION TO 8X4
S	FRONT AXLE QUANTITY (required for CERT)	SINGLE FRONT AXLE
	SALES MODEL QUANTITY OF FRONT AXLES	SALES MODEL HAS ONE (1) FRONT AXLE INSTALLED
S	SPRINGS - FRONT	MACK TAPERLEAF 18000# (8200 KG) GROUND LOAD RATING, EQUAL BIAS
	BRAKES - FRONT	MERITOR "S" CAM TYPE 16.5" x 6" Q+
S	FRONT AXLE LUBRICANT	FRONT AXLE LUBE, FAG NLGI2 GREASE

REAR AXLE EQUIPMENT		DESCRIPTION
	REAR AXLE	46000# (20900kg) MERITOR RT46-164EH
	SALES MODEL QUANTITY OF REAR AXLES	SALES MODEL HAS TWO (2) REAR AXLES INSTALLED
S	DRIVE AXLE LUBRICANT	DRIVE AXLE LUBE, SHELL 75W90 SYNTHETIC OIL
	CARRIER - REAR AXLE	VENDOR AXLES
	REAR AXLE RATIO	3.58 RATIO
	REAR SUSPENSION	PAX 46 HIGH STABILITY HENDRICKSON PRIMAXX AIR (VENDOR AXLES ONLY)
	BOGIE SPREAD, REAR	54" AXLE SPACING (BOGIE WHEELBASE)
S	BRAKES - REAR	MERITOR "S" CAM 16.5"x7" Q+ (Total for QTY = 2)
	ANTILOCK BRAKE SYSTEM	BENDIX WITH TRACTION CONTROL 4S4M

TECHNICAL SPECIFICATION *(cont.)*



PUSHER/TAG AXLE EQUIPMENT		DESCRIPTION
	PUSHER AXLE CAPACITY, SECOND	WITHOUT 2ND PUSHER AXLE
	SALES MODEL QUANTITY OF PUSHER AXLES	SALES MODEL HAS ZERO (0) PUSHER AXLES INSTALLED
	SALES MODEL QUANTITY OF TAG AXLES	SALES MODEL HAS ZERO (0) TAG AXLES INSTALLED

FRAME EQUIPMENT/FUEL TANKS		DESCRIPTION
	WHEELBASE	242"
	AF (OVERHANG)	71"
	FRAME RAILS & LINERS	11.1 x 90 x 300mm - (0.437" x 3.54" x 11.81"); RBM 2,820,000 LB-IN
	FRONT BUMPER	EXTENDED-STYLIZED-BRIGHT FINISH STEEL W/ STONE GUARD
	FUEL TANK - LH	93 GALLON (350 L) 26" ALUMINUM, SLEEVED D-SHAPED
S	FUEL TANK - RH	W/O RH FUEL TANK

AIR/BRAKE		DESCRIPTION
	RELOCATE AIR RESERVOIRS	RELOCATE ALL AIR RESERVOIRS INFRAME

AERODYNAMIC DEVICES		DESCRIPTION
S	CAB AERODYNAMIC PACKAGES	WITHOUT CAB AERODYNAMIC DEVICES
S	FRONT CHASSIS AERODYNAMIC PACKAGE	WITHOUT FRONT AERODYNAMIC FAIRINGS
S	REAR CHASSIS AERODYNAMIC PACKAGE	WITHOUT REAR AERODYNAMIC FAIRING

WHEELS & TIRES		DESCRIPTION
	TIRES BRAND/TYPE - FRONT	315/80R22.5 L MICHELIN X WORKS Z (18180 lbs) (Total for QTY = 4)
	WHEELS - FRONT	22.5x9.00 ALCOA 89U63x HIGH POLISHED, ALUMINUM, 4.06" OFFSET, 10 HAND HOLE (Total for QTY = 4)
	TIRES BRAND/TYPE - REAR	11R22.5 H MICHELIN XDS2 (24020 lbs) (DRIVE ONLY) (Total for QTY = 8)
	WHEELS - REAR	22.5x8.25 ALCOA 88565x SEVERE SERVICE, HIGH POLISHED ALUMINUM, 6.60" OFFSET, 10 HAND HOLE (Total for QTY = 8)

PAINT		DESCRIPTION
S	PAINT DESIGN	SINGLE COLOR
	PAINT COLOR - FIRST COLOR	VIPER RED; B9247

ADDITIONAL ENGINEERING (Included)		DESCRIPTION
CA		

VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Dwg Ref	Length	UOM
Front Frame Extension	FE	6.1	INCHES
Bumper to Front Axle	BA	51.1	INCHES
Eff. Bumper to Front Axle	N/A	57.2	INCHES
Wheelbase	WB	241.5	INCHES
Rear Overhang	OH	71.3	INCHES
Overall Length	OL	370.0	INCHES
Bumper to Back of Cab	BBC	116.5	INCHES
Eff. Bumper to Back of Cab	EBBC	134.1	INCHES
Eff. Cab to Rear Axle	ECA	164.6	INCHES
Eff. Front Axle to Back of Cab	EAC	77.0	INCHES
Eff. Cab to End of Frame	ECEF	235.8	INCHES
Unladen Frame Height	FH	41.2	INCHES
Cab Height	CH	70.9	INCHES
Overall Height	OVH	123.2	INCHES
Driver CG	DCG	47.2	INCHES
54" AXLE SPACING (BOGIE WHEELBASE)	BS	53.9	INCHES
Second Front Axle Spacing	SFAS	153.5	INCHES

