

Hale Trailer Brake & Wheel A012359-A012363

VINS: 215452-215456

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ITEM	DESCRIPTION	
TYPE	LOG TRAILER, DROP	
DIMENSIONS		
LENGTH	48'-0 " overall.	
WIDTH	102".	
HEIGHT	Nominal, 13'-6" high, top of frames approximately 61" high at front	
	and 49" at rear. (Canada & USA application)	
DROP HEIGHT	10" high at 19'-0" from front. (ref: #212677)	
COUPLING		
COUPLER PLATE	3/8", 100 000 psi. steel, plug welded reinforced structure.	
KING PIN LOCATION	36" from front.	
KING PIN	Bolted, 2" diameter, Holland, KP-0882.	
COUPLER HEIGHT	50"	
STRUCTURE	Frame with "CAMBER".	
FLANGES	3/8" x 6", 100 000 psi steel.	
WEB	1/4" plate full length, 80 000 psi steel, with holes, parachute shaped, to lighten trailer.	
FRAME BRACING	Flat bar 4" x 1/2", 100 000 psi steel, installed underneath the bottom	
	flanges only, at stiffeners area for the loader.	
GOOSENECK	11" high, with integrated nose ramp and 48" straight behind king pin.	
CROSSMEMBERS	l beams, 4" à 3.64 lbs/ft, 80 000 psi steel, between main beams.	
FLOOR	Checker plate 1/8" between main beams, full length,	
	(no wood flooring at all).	
	With hole for loader and cover with a bolted floor section	
	NO FLOORING ON TOP OF FLANGES AT BOLTED SECTION	
FLOOR FASTENING	Fully welded on length, and at joints.	
CORNERS	Square.	
FENDERS	Checker plate 1/8", above truck wheels, sloping.	
BRACING FOR LOADER	Stiffeners at 6" c/c on the outside of frames in the web.	
	**loader to be installed at center: front and rear crapple holders at 23 '-0"	
	from center of the loader area**	
ENDS		
FRONT RAIL	3/16" thick formed plate, 80 000 psi steel.	
BUMPER	Forestry type, tubing with integated push & pull plates installed on	
	bumper uprights.	
BUMPER	Round tube 6 5/8" x 56". Start tube 6" from rear, exceeds 14".	
HEADBOARD	96" high with fabricated beams and square tubings 1 1/2".	
	Ladder road side 4" between the tubes, (5.5" c/c) for smaller logs.	
	Boxes included. *Galvanized*	
POCKETS	Front headboard boxes modified (tenon + mortise) in order to clear the	
	front rail by 6". (engineering)	
LOGGING	5 lengths of 8', 4 of 12', 3 of 16' or full lenght logs.	
BUNKS	5 fixed sets of bunks with fabricated boxes.	
	Located: 73 1/2", 57", 53", 56", 70", 56", 53", 59" et 70 1/4"	
BUNKS	First 2 at front, 4 1/2" x 7" high, (flanges plate 1/4" 100 000 psi	





ITEM	DESCRIPTION
	steel and webs one each side 3/16" 80 000 psi steel),
	double post boxes on first bunk.
BUNKS	Central section, 4 1/2" x 5" high, (flanges plate 1/4" 100 000 psi steel
	and webs one each side 3/16" 80 000 psi steel).
BUNKS	Rear, 10 1/2" x 9 3/4" high, (formed 3/16" "V" plate with 1/4" top plate,
-	80 000 psi steel), with double boxes.
BUNK ANGLES	Steel ridge 1/2" x 1 1/2" installed on last bunk to hold tree
	length lumber.
STAKES	Qty: 20, ultra light, galvanised (G164), botton 4" x 4", curved,
	80 000 & 100 000 psi steel.
GLAD HANDS PROTECTOR	3/8" thick plate, welded at front rail.
RAISERS	One, aluminum extrusion 3" x 2" for a height same as the drop.
BUNKS	Qty: 2 Set of double post box.
	Located: bunk #4 and bunk #7
RAISER	Qty: 10, additionnal, Aluminum Extrusion, *** 3" x 2" x 4" high ***
	Located on each bunk.
ELECTRICAL	
FRONT CONNECTOR	7 way (SAE J560), Phillips brand.
FRONT ADD. CONNECTOR	7 way (ISO 3731), for auxiliary functions only.
ELECTRICAL SYSTEM	Shock proof lights, polycarbonate lenses, in compliance with CMVSS 108.
MAIN SYSTEM	Grote Ultra Blue LED, sealed beams, tail lights with male pins #53252
	(10 diodes), markers lights Micronova #47973, identification lights #47122
	(2 1/2" dia.), licence light #60280-M).
TURN SIGNAL	Sealed beams LED, one lamp including side marker and flasher,
IORN SIGNAL	each side at middle point, amber.
BACK UP LIGHT(S)	LED spot light in a vinyl angled grommet.
BACK OF LIGHT(S)	
	Qty: 2 Sealed beams (Crote DEL #E2252, 10 diadea) red. Ot // 1 additional each side
TAIL LIGHTS	Sealed beams (Grote DEL #53252, 10 diodes) red. Qty: 1 additionnal each side.
	From outside, tail lights and flasher, brake with parking,
	brake with parking.
BACK UP LIGHTS	Qty: (2), tractor type sealed LED beam lights (Grote #64G51, TRILLANT), to
	light up toward the rear.
	Must be connected with rear back up lights.
	Located: under 4th bunk from front.
TAIL LIGHTS	Qty: (4) extra sealed lamps L.E.D. (red),
	rear lights with *** 10 diodes *** (Grote #53252-3).
	Located: On each side between bumper uprights on cross bar.
	Total: 10 tail lights (3 each side and 4 in middle)
	Hollond Mark V//LCC 4E215) with mounting plate colid output we have a
LANDING GEAR	Holland, Mark V (LGS-4F315), with mounting plate, solid axles, galvanized.
SAND SHOES	10" x 11 1/2", solid axles.
	Road side.
DEFLECTORS	Landing gear deflector.
POCIE	
BOGIE	
BASIC SUSPENSION	Landrickson NITRAAV dies broke AAT 2017 LIVES (MAAVV/ 2017) widere
SUSPENSION	Hendrickson INTRAAX disc brake AAT-30K HXL5 (MAXX 22T), tridem,
	60" spread. For axles with bearings HM 518445.
	*** Braking capacity reduced ***





ITEM	DESCRIPTION
	*** Hendrickson strongly recommand for asphalte roads only ***
	Easy for rocks to infiltrate between the rotor and brake pads.
SUSPENSION (INTRAAX)(HXL5	OPTION "EXTENDED LIFE HXL5 PACKAGE" ON INTRAAX/VANTRAAX SUSPENSION.
	Seals (Federal Mogul), spindle nut (Precision), hub cap (Hendrickson)
	grease (Chevron Delo SF), bearings (HP).
STROKE STOPPERS	Retaining chains for INTRAAX air suspensions
	with grounded axles.
LIFT DEVICE	Hendrickson "UBL", bolted (removable) and galvanized with air system Manac.
	Front axle controlled from cab and rear axle manually controlled.
	Located: on front and on rear axle.
SPRINGS	Air.
AXLE(S)	LDA, 5 3/4" diameter, 25 000 lbs. capacity.
SPIDERS	Welded.
CAM SHAFTS	
TRACK	77 1/2".
DUST SHIELDS	Steel, clamped.
BRAKES	Hendrickson Maxx 22T
BEARINGS	HM 518445.
SLACK ADJUSTERS	
SEALS	Seal (Federal Mogul), Spindle nut (Precision), Hub cap (Hendrickson)
	Grease (Chevron Delo SF), Bearings (HP).
BRAKE CHAMBERS	18/24
HUBS AND DRUMS	10 studs disc hubs, outboard mount, 285.75mm B.C., single flange nuts.
	For dual aluminium wheels.
RIMS	Alcoa, aluminum, "ULTRA ONE", 24.5 x 8.25, disc (10 holes),
0040500	285.75mm B.C., single flange nuts.
SPACERS	Wheel guard 10 holes. Located between the inside wheel and the drum and
TIRES	between two wheels. Plant choice Tire, 11 R 24.5, 16 ply, 43.6" dia.
RIMS	Plant choice Tire, 11 R 24.5, 16 ply, 43.6" dia. *** Those standard aluminum rims are not covered by a warranty for an off
RING	road application. ***
AIR SYSTEM	
	Fixed.
	Meritor Wabco, ABS, 2 sensors 1 modulator.
VALVE	Manual blow down valve in a control box, WITHOUT auto-reset feature,
	including Glycerin filled pressure gauge, in P.S.I., to indicate
CONTROL BOX	load with a conversion table. Stainless steel, 10 "high x 12" wide x 6 "deep.
VALVES	Used to close the supply of air to air bags. (2 per axle) (shut off).
ACCESSORIES	
REGISTRATION HOLDER	One plastic, Betts-PS-1 or equivalent.
WINCHES	Qty: 2, #5820 fix, encaved, located road side
	between first set.
WINCHES	Qty: 8, #5820 fix, tilted 45 degrees,
M/01/50	located road side between bunks.
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WINCHES	Handle welded on each winch.

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	DECODIDITION
ITEM	DESCRIPTION
STRAPS	Qty: 10, nylon, with 1'-6" chain and grab hook,
	30' long x 3" wide. (KINEDYNE)
	Qty: 10, lashing pockets on the opposite side of winch's.
LASHING RINGS	Qty: 10, lashing pockets located on winch supports to hang the cable hooks.
MUD FLAPS	Three fix sets, rubber with Manac logo and vertical grooves to reduce spray,
	located ahead of landing gear, at rear bumper and at front.
EXTRA MUD FLAPS	Black rubber w/logo Manac, logo toward the front (#303-0011).
	Located: Under the flanges ahead of the tridem, 48" wide.
	(To protect air booster & the suspensions).
EXTRA MUD FLAP	(1) Black rubber w/logo Manac, logo toward the rear, (#303-0011).
	Located: Under the flanges ahead of the landing gear, 48" wide.
	Ref: #212677
CHAIN HOLDERS	(4) welded on the main frames, 2 each side.
HYDRAULIC LINES	Holes only, 3" of diameter allowing hydraulic lines to run between the main
	beams over the coupler plate. Supports of lines welded under bunks
	until the loader.
	5 holes, (3 holes curbside and 2 holes roadside).
ACCESSORIES	Qty: 2 crapple holders: 2 rectangular tubings
AUGEOOUNIEO	
	4" wide x 3" high x 21" long x 3/8" thick.
	Attention: Each tube has a different opening.
	Located: FURTHEST MOST FRONT AND REAR (ref: #212677)
BROOM HANGER	Located at front ROADSIDE.
	*** Top to have cradle (L-brackets) to prevent broom from coming out***
	(ref: #198782 + stopper))
FINISHING	
PAINT	No paint & no primer on the trailer.
FINISHING	Trailer prepared & shipped to be galvanized.
	**CAUTION MANAC NOT RESPONSABLE OF THE ESTHETICS OF THE GALVANISATION.*
GRAVEL GUARD	Apply gravel guard on the suspension hangers.
HUBS	Black.
WHEELS OR RIMS	Natural.
RETROREFLECTIVE TAPES	Conspicuity striping in compliance with CMVSS 108.
	Gray and red, each side, fully covers rear sill and horizontal
	underride protection bar, front and rear of each stake.
ADDITIONAL OPTIONS	
SUB-CONTRACT BY MANAC PRO	By: Multi-Remorque Soudure Inc. #708
	Paint RED on exterior side of main frames.
	Authorization: #74392
ANNEX(ES) ATTACHED	Mark and model of loader: TBA
	Supplied by: TBA
	Installed by: TBA Appr. weight: TBA
	Fixed by ("U" bolts or others): TBA
CONFORMITY	This semi-trailer does not comply with GHG regulations. Should GHG
	regulations come into force prior to the production of the trailer(s),
	Manac will have the obligation to ensure the trailer(s) produced meet
	minimum GHG guidelines. Any modifications required to meet the GHG
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	regulations will be added to the initial purchase price and charged back to the customer.
	the customer.

DISCLAIMER Specifications are believed to be correct, but may contain errors and/or omissions. Photographs are the representative of the subject equipment but may not be identical. Equipment availability, prices and specifications are subject to change without notice.