



Shop Order-00-10-31: Unclassified

Village of Hillsborough
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Exp. Date: 04/21/2017
Quote No: JHINB-0008 **Job/Order No:** 19700
BODY: 00-10-31 Metalfab Tanker - ULC 05/13

10/17/2017

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PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			== Metalfab Tanker - ULC 05/13 - 0.000 ==	1	MTL
			CHANGE ORDER A	1	MTL
00-00-0020	U		Exceptions to Tender document	1	
00-10-1000			Metalfab Tanker	1	MTL
00-20-1000			Company Profile	1	MTL
00-20-1500			Standard Body Warranty	1	MTL
00-20-1550			Metalfab Limited Ten (10) Year Paint and Corrosion Warranty	1	MTL
00-20-1700			Hale Pump Warranty - 5 years	1	MTL
00-20-1800	S		Polypropylene Tank Lifetime Warranty	1	MTL
00-20-2000			Plant Visits - unlimited at customer expense	1	MTL
00-20-3000	S		No Bonding Requested	1	MTL
00-20-3500			Certification for Fusion Welding of Aluminum	1	MTL
00-20-4000			Quality System registered to ISO 9001:2008	1	MTL
00-20-4500			Fire Apparatus Manufacturers' Association Membership	1	MTL
			GENERAL INFORMATION	1	MTL
10-11-0000			Intent	1	MTL
10-11-0105			Vehicle Data Recorder not requested	1	MTL
10-11-1100	S		ULC S515-13 Compliance	1	MTL
10-11-1600		>	ULC Testing - Tanker	1	MTL
10-11-2100			Maximum length not specified	1	MTL
10-11-2200			Maximum height not specified	1	MTL
10-11-2300			Overall length is less than 30'	1	MTL
10-11-2500			General Construction	1	MTL
10-11-3000			Manuals - two copies	1	MTL
10-11-3600	S	>	Delivery - FOB Fire Department	1	MTL
10-11-4100	S		Payment Terms - Body only COD (with customer supplied chassis)	1	MTL
10-20-1200			Hose bed capacity - standard ULC Tanker	1	MTL
10-20-2200			Equipment carrying capacity - standard ULC Tanker	1	MTL
			CHASSIS INFORMATION	1	MTL
20-11-0500	S	>	Customer supplied Chassis Freightliner M2 106	1	MTL
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1600	S		Chassis Motor Vehicle Inspection as supplied with customer vehicle	1	MTL
20-21-0500			Fluid capacity plate	1	MTL
20-21-0600			Pumping test plate	1	MTL
20-21-1010			Maximum riders sign - 3 persons	1	MTL
20-21-1500			Seat belt warning labels - 2 door chassis	1	MTL
20-21-1530			Tire Pressure Indicators - Single Axle	1	MTL
20-21-1600			Apparatus Information Label	1	MTL
20-21-2000			Non removable key	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
20-21-2500			Shifter lock not required	1	MTL
20-21-3500			Rear step warning label	1	MTL
20-21-3810			Front mudflaps provided with chassis	1	MTL
			E		
20-21-4000			Rear mudflaps - Metalfab Logo	1	MTL
20-31-0200			Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
20-31-0500			Alum tread fuel tank trim, Conv - 2 door	1	MTL
20-31-1900			Chassis cab not painted	1	MTL
20-41-0600			Intake air shutoff for engine not required	1	MTL
20-41-0900			Auxiliary braking system disabled when pumping	1	MTL
20-41-1100			Transmission programming - Allison WT	1	MTL
20-41-1500			Extend exhaust pipe - RS front of rear wheels	1	MTL
			E		
20-41-1900			Battery boost terminals with chassis	1	MTL
20-41-2000			Chassis batteries remain in OEM location	1	MTL
20-41-2510			Fuel fill at step fuel tank under cab	1	MTL
20-41-2600			Chassis fuel tank remains in OEM location	1	MTL
20-41-5000			Rear Tow Hooks - under body	1	MTL
20-51-0710			Master Battery Disconnect included with Freightliner chassis	1	MTL
20-51-2500			Back up alarm included with chassis	1	MTL
20-51-3400			Protection valve installed for air operated accessories	1	MTL
20-51-3500			Air outlet	1	MTL
20-51-4000			Auto eject for air inlet - LS	1	MTL
20-51-5600			Flashing headlights w/ daytime running lights	1	MTL
20-51-6200	S	>	120 volt 20 A shore line connection in chassis cab and body	3	MTL
20-51-6500			Kussmaul Autocharge 1000 battery conditioner w/battery saver	1	MTL
20-51-7100			Electric System Manager	1	MTL
20-51-7500			Super Auto eject for 120 v - 20 A with sealed enclosure	1	MTL
20-51-8500	S	<	LED engine compartment lights (pair) to meet ULC	1	MTL
			One required each side to light up complete engine compartment.		
			Activated when park brake is set		
20-51-9001	S	<	Air horns as supplied with customer chassis	1	MTL
			Chassis is supplied with air horns on the hood with lanyard controls		
20-52-3500		>	Chassis steering wheel lined up by Metalfab	1	MTL
			E		
20-60-0400			Chassis wheelbase does not change	1	MTL
20-99-05AA	U		Pick up chassis at Customer's location and bring back to Metalfab	1	
			PUMP AND PLUMBING	1	MTL
30-11-1000			Hale AP PTO pump - 420 IGPM	1	MTL
30-15-0304			Plumbing - non manifold pump SM SS	1	MTL
			E		
30-20-0501			Valves and controls - compartment mounted panel	1	MTL
			E		
30-20-1003	S		Elkhart valves for suction and discharges	1	MTL
30-20-1610			Piping stainless steel - PTO pump	1	MTL
30-20-1700	S		1-1/2" thread specifications - NPSH	1	MTL
30-20-1800	S		2-1/2" thread specifications - Storz	1	MTL
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2510			Anodes in suction and discharge piping -AP/MG/DSD	1	MTL
30-21-5520			Tank to Pump SS 3" w/ check valve non manifold pump	1	MTL
30-22-0520			Tank Fill valve 2" SS	1	MTL
30-31-2520	S		Suction - 4" Storz not gated each side SS non manifold pump	1	MTL
			5" header		
30-32-7550	S		Suction - 2-1/2" left side SS, bleeder, non manifold pump, Storz connection	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-41-2040	S		2-1/2" RS discharge SS, bleeder, non manifold pump, Storz connection	1	MTL
30-41-2540	S		2-1/2" LS discharge SS, bleeder, non manifold pump, Storz connection	1	MTL
30-43-1520	S		2-1/2" rear discharge SS, plumbed 2-1/2", bleeder, Storz connection	1	MTL
30-51-0400			Pump shift - PTO Pump and Roll	1	MTL
30-51-1500			Power shift PTO - Automatic transmission	1	MTL
30-51-1501			PTO driveshaft	1	MTL
30-51-6700	<		FRC Pump Boss Governor/Throttle engine display FRC Pump Boss 400	1	MTL
30-51-7002			Suction side relief V/V, non manifold pump	1	MTL
30-51-7700			Primer Hale oil less ESP with oil tank Hale	1	MTL
30-51-8100			Heat exchanger included with chassis	1	MTL
30-52-1000			Master drain V/V, 12 port	1	MTL
30-52-3001			Foam system not requested	1	MTL
			WATER AND FOAM TANKS	1	MTL
40-11-2100	S		Polypropylene water tank (Imperial gallons)	1	MTL
40-11-2200			Water tank capacity certification (tank manufacturer)	1	MTL
40-11-7000	S		Tank capacity 2000 Imperial Gallons	1	MTL
40-21-1000			4" tank to pump connection	1	MTL
40-22-0500			2" tank fill connection	1	MTL
40-23-0500			1" water level gauge connection	1	MTL
40-23-1040			4" direct fill connection	1	MTL
40-23-1060			10" Newton dump connection	1	MTL
40-30-0500			Sump drain valve (3" gate valve) with linkage	1	MTL
			E		
40-30-1000			Water Fill Box front left corner	1	MTL
40-31-3500			10" rear Newton dump, stainless steel	1	MTL
40-31-3600			Newton dump - stainless steel 36" telechute	1	MTL
40-31-4700			Newton dump, top mount manual operation	1	MTL
40-31-5610	U		SS Swivel dump chute (Rotating with lock)	1	
40-31-8000			4" Storz rear gtd fill	1	MTL
			ELECTRICAL	1	MTL
50-11-0500			Base electrical system	1	MTL
50-11-0600			Warning Light Certification	1	MTL
50-11-0700			Low Voltage Electrical system test	1	MTL
50-11-0800			Low Voltage Electrical System Documents	1	MTL
50-11-0900			Rocker switch panel with master warning switch	1	MTL
50-11-1400			Federal PA300 100 watt siren	1	MTL
50-11-1620			Siren speaker, 100 watt, in front bumper	1	MTL
50-11-2600			Siren to be accessible to driver and officer	1	MTL
50-11-5810	S	>	Federal LED light package	1	MTL
50-11-5812	U		Federal LPX53DS-NFPA LED lightbar	1	
50-11-6501	S		Rear Directional Light not requested	1	MTL
50-11-8900			Rear beacons-Federal Sentry (pr) 1 red, 1 amber	1	MTL
50-12-5028	U		Front LED flashers (pr) - red Federal QL43-RR	1	
50-12-5118	U		Rear LED flashers (pr) - red Federal QL43-RR	1	
50-12-5218	U		Front side intersection LED flashers (pr) - red Federal QL43-RR	1	
50-12-5318	U		Body side intersection LED flashers (pr) - red Federal QL43-RR	1	
50-21-1500			Rear floods (pr)-Unity	1	MTL
50-21-2525	U		FRC telescoping SPECTRA LED 12V flood (ea)	2	
50-21-29AA	U	<	Additional lighting in 2-dr cab to illuminate floor SOPT 998	1	
50-21-3010		>	Remote control electric spot (ea) Visibeam	1	MTL
50-21-5100		>	Compartment lighting - LED tube lights in each compartment (rollup doors)	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
50-21-5500	S		Door Ajar warning light	1	MTL
50-21-5550	S		Equipment rack not stowed warning light	2	MTL
50-21-8001	U		Price Adjustment	1	
50-21-8200	U	<	LED step lights for two door chassis SOPT 194a Activated when the park brake is set.	1	
50-21-8600			LED clearance lts and reflectors	1	MTL
50-22-0700	S		Whelen 64 LED tail/brake-turn-backup module (pr)	1	MTL
50-31-6550			Ground lighting (LED Lumabar) - 2 door chassis	1	MTL
50-31-6570			Ground lighting (LED Lumabar) - side mount body	1	MTL
50-31-65AA	U	<	Hose bed lighting - LED on front partition SOPT 958 Activated when the park brake is set.	1	
			BODY	1	MTL
60-10-1400	S	<	Single axle extruded aluminum body ***Body will not be painted*** Extrusions to be buffed and the flat panels to be deck plate	1	MTL
60-10-4100			No "beavertail" rear step supports	1	MTL
60-10-4500			Aluminum tread plate fender surround - single axle	1	MTL
60-10-4700			Integral aluminum fender trim	1	MTL
60-10-5400		>	Diamondback pumphouse steps	1	MTL
60-10-5430		>	Diamondback 19" rear step	1	MTL
60-10-6000			Extruded rub rail	1	MTL
60-11-0150		>	Second front left side compartment to top of wheel well	1	MTL
60-11-0200		>	Front left side compartments intermediate height	1	MTL
60-11-0500		>	Front right side compartment to top of wheel well	1	MTL
60-11-0550		>	Second front right side compartment to top of wheel well	1	MTL
60-11-1700			No rear left side compartments	1	MTL
60-11-1800			No rear right side compartments	1	MTL
60-11-3100			No rear compartment	1	MTL
60-11-5500			Rollup door - standard height	3	MTL
60-11-5530	S		Rollup door - to enclose pump panel	1	MTL
60-31-4100			Extruded aluminum handrails	1	MTL
60-31-5000			Zico access Ladder at rear of unit	1	MTL
60-31-5500	S	<	LED lighted steps at rear of body - Right side only RS only - Maximum height between steps is 18"	1	MTL
60-31-5600	U		Price Adjustment	1	
60-31-5800	S		Intermediate step over rear dump	1	MTL
60-31-6500			Compartment matting-Turtle tile	1	MTL
60-31-8700	S	>	Sliding tray (ea) - 400 pound capacity with gas strut	3	MTL
60-32-3550			Two adjustable hose divider (each)	1	MTL
60-32-7500			Hose bed - aluminum	1	MTL
60-33-0200			Undercoat vehicle with KROWN rust protection	1	MTL
60-33-0600			Chassis wheels not painted	1	MTL
60-33-1000			Paint pump and plumbing job colour	1	MTL
60-33-1500			Buffed finish compartment interior	1	MTL
60-33-2200	S		Lettering - 80 letters up to 3" tall - 3 colour	1	MTL
60-33-3000			Reflective stripe - 4" white	1	MTL
60-33-3310			Reflective stripe - red and yellow chevron at rear	1	MTL
60-33-3500			Tarp over hose bed - black	1	MTL
60-33-4700			No crosslay preconnects on vehicle E	1	MTL
60-40-1500			4" Hose tray - side mount (ea)	2	MTL
60-41-1000	S		Pike Pole tube with door	1	MTL
60-41-7000	S	>	Drop down portable tank rack - manual operation	1	MTL
60-41-7110			No tread plate exterior manual drop down porta tank rack	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
60-41-7500		>	Drop down ladder rack - 2 section, roof - manual operation	1	MTL
60-41-7515	S		Assist handles not requested	2	MTL
			INSTRUMENTATION	1	MTL
70-11-0000			Warning Label on Pump Operator's Panel	1	MTL
70-11-1500			Stainless steel instrument panels	1	MTL
70-11-3200			Colour coded tags	1	MTL
70-11-4000	S		Stainless steel side panel hood right side	1	MTL
70-11-5500			Right side tread plate pump access door	1	MTL
70-11-7500			Heat pan-aluminum	1	MTL
70-11-8100			Heater in pump compartment not requested	1	MTL
70-20-0500	S		4-1/2" compound gauge - dual face 0-600	2	MTL
70-20-1500			2-1/2" pressure gauge - dual face 0-600	3	MTL
70-20-2500			Primer control	1	MTL
70-20-3200			FRC Pump Boss Governor Control	1	MTL
70-20-3510			Electric water level gauge on pump panel and at rear, Class One	1	MTL
70-20-6500			Test gauge panel	1	MTL
70-20-7000			Pump speed counter	1	MTL
70-20-7500			Heat exchanger control valve	1	MTL
70-21-2100		>	PTO Hourmeter	1	MTL
70-21-5500			Panel readout for Battery Conditioner	1	MTL
71-21-4000	S		Microphone compartment	1	MTL
71-21-4500			Speaker on pump panel	1	MTL
			ACCESSORIES	1	MTL
80-11-2005	U		4" x 10' lightweight suction hose (ea) - Storz couplings	2	
80-12-1005	U		4" barrel strainer - Storz connection	1	
80-13-0500			Rubber mallet	1	MTL
80-13-1000			Hose wrenches (double) with holder	3	MTL
80-13-1500			Bar with bracket	1	MTL
80-13-2500			Pike pole, fibreglass handle - 10' long	1	MTL
80-14-7500			Padded ladder boot - 2 section and roof ladder	1	MTL
80-15-1000			2000 l gallon portable tank - Husky	1	MTL
80-19-0500			Large folding wheel chock - aluminum (ea) not mounted	2	MTL
80-99-05AA	U	<	Alcolite 20' roof ladder PRL 20 P/N 1520227 Mounted on right side drop down rack SOPT	1	
80-99-10AA	U	<	Alco Lite 30' Two-section ladder PEL 30 P/N 1520228 Mounted on right side drop down rack SOPT	1	