



Shop Order-00-10-31: Unclassified

Municipality of the County of Cumberland
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Exp. Date: 10/15/2013
Quote No: GCUNS-0015 **Job/Order No:** 17514
BODY: 00-10-31 Metalfab Tanker - ULC 05/13

02/17/2017

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PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			== Metalfab Tanker - ULC 05/13 - 0.000 ==	1	MTL
			Change Order F	1	MTL
00-00-0005	U		Non compliances and clarifications	1	
00-10-1000	S		Metalfab Tanker	1	MTL
00-20-1000			Company Profile	1	MTL
00-20-1501	U		Extended Body Warranty	1	
00-20-1551	U		Extended Paint and Corrosion Warranty	1	
00-20-1700			Hale Pump Warranty - 5 years	1	MTL
00-20-1800			Ultra Tank Lifetime Warranty	1	MTL
00-20-2000			Plant Visits - unlimited at customer expense	1	MTL
00-20-2800	S		Bid Bond/Performance Bond required (Canada)	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
10-11-0110			Vehicle data recorder included with chassis	1	MTL
10-11-1101			ULC S515-04 and NFPA 1901-2009 Compliance	1	MTL
10-11-1600		>	ULC Testing - Tanker	1	MTL
10-11-2100	S		Maximum length 28' (336")	1	MTL
10-11-2200	S		Maximum height 9'-7" (115")	1	MTL
10-11-2300			Overall length is less than 30'	1	MTL
10-11-2500			General Construction	1	MTL
10-11-2600	S		Preconstruction Meeting	1	MTL
10-11-3000			Manuals - two copies	1	MTL
10-11-3600	S	>	Delivery - FOB Fire Department	1	MTL
10-11-4000	S		Payment Terms - Chassis Net 10 days, Balance 90% COD, 10% Net 60 days	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
20-11-1000	S		Chassis supplied by Metalfab - 2014 Freightliner M2 106	1	MTL
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1700	S		Chassis Motor Vehicle Inspection included with chassis	1	MTL
20-21-0500			Fluid capacity plate	1	MTL
20-21-0600			Pumping test plate	1	MTL
20-21-1000			Maximum riders sign - 2 persons	1	MTL
20-21-1500			Seat belt warning labels - 2 door chassis	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
20-21-1520			Helmet warning label - do not wear helmet	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
20-21-2500			Shifter lock not required	1	MTL
20-21-3500			Rear step warning label	1	MTL
20-21-3800			Front mudflaps	1	MTL
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
20-31-7500	S <		Console in cab	1	MTL
			Change Order B - Removed reference to Door Ajar Warning light in console as it is mounted over the drivers seating position.		
20-41-0600			Intake air shutoff for engine not required	1	MTL
20-41-0800			Auxiliary braking system not present	1	MTL
20-41-1100			Transmission programming - Allison WT	1	MTL
20-41-1500			Extend exhaust pipe - RS front of rear wheels	1	MTL
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
20-41-5500			ON SPOT Automatic traction chains	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
20-51-4000			Auto eject for air inlet - LS	1	MTL
20-51-6200	S >		120 volt 20 A shore line connection in chassis cab	1	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			Engine compartment lights (pair)	1	MTL
20-51-9001	S		Air horns included with chassis	1	MTL
20-52-3500		>	Chassis steering wheel lined up by Metalfab	1	MTL
20-52-4000	S		Rear View Camera system	1	MTL
20-60-0400			Chassis wheelbase does not change	1	MTL
			PUMP AND PLUMBING	1	MTL
30-11-1000			Hale AP PTO pump - 420 IGPM	1	MTL
30-15-0303			Plumbing - non manifold pump SM	1	MTL
30-20-0500			Valves and controls - side mount panel	1	MTL
30-20-1001			Valve brand not specified	1	MTL
30-20-1630			Piping galvanized steel - PTO pump	1	MTL
30-20-1800	S		2-1/2" thread specifications NSZ1	1	MTL
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2510	S		Anodes in suction and discharge piping -AP/MG/DSD	1	MTL
30-21-5510			Tank to Pump 3" w/ check valve non manifold pump	1	MTL
30-22-0500			Tank Fill valve 2"	1	MTL
30-31-2500	S		Suction - 4" not gated each side non manifold pump 5" header	1	MTL
30-32-7520			Suction - 2-1/2" left side, bleeder, non manifold pump	1	MTL
30-41-2006			2-1/2" RS discharge, bleeder, non manifold pump	1	MTL
30-41-2506			2-1/2" LS discharge, bleeder, non manifold pump	1	MTL
30-43-1500			2-1/2" rear discharge, plumbed 2-1/2", bleeder	1	MTL
30-51-0400			Pump shift - PTO Pump and Roll	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-51-1500			Power shift PTO - Automatic transmission	1	MTL
30-51-1501			PTO driveshaft E	1	MTL
30-51-6630	U		Price Adjustment	1	
30-51-6810	S		FRC InControl Governor/Throttle engine display with buttons	1	MTL
30-51-7000			Suction side relief V/V, manifold pump	1	MTL
30-51-7700	S		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 E	1	MTL
			WATER AND FOAM TANKS	1	MTL
40-11-2100			Ultra-Tank water tank (Imperial gallons)	1	MTL
40-11-2200			Water tank capacity certification (tank manufacturer)	1	MTL
40-11-6500			Tank capacity 1500 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	S		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	S		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	U		Price Adjustment	1	
40-31-5500	S		Electric operator for Newton dump	1	MTL
40-31-8000			4" Storz rear gtd fill	1	MTL
40-99-0050	U		Stainless steel rotating dump chute	1	
			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
50-11-2500			Siren to be accessible to driver only E	1	MTL
50-11-5810	>		Federal SOLARIS Jetsonic 5401 LED light bar all red	1	MTL
50-11-7600	S		Rear LED Signal Master warning lights	1	MTL
50-11-8900			Rear beacons-Federal Sentry (pr) 1 red, 1 amber	1	MTL
50-12-5020			Front LED flashers (pr)-red Federal QL64XF-R	1	MTL
50-12-5110			Rear LED flashers (pr)-red Federal QL64XF-R	1	MTL
50-12-5210			Front side inter lts (pr)-red LED Federal QL64XF-R	1	MTL
50-12-5310			Body side inter lts (pr)-red LED Federal QL64XF-R	1	MTL
50-21-1600			Parking (ditch) lights in rear fenders	1	MTL
50-21-5100	>		Compartment lighting - LED tube lights in each compartment (rollup doors)	1	MTL
50-21-5500			Door Ajar warning light	1	MTL
50-21-5550			Equipment rack not stowed warning light	2	MTL
50-21-8001	S		Step lights for body steps - 4" LED	1	MTL
50-21-8001	S		Step lights for body steps - 4" LED	1	MTL
50-21-8201	S		Step lights for chassis steps - LED marker type	1	MTL
50-21-8600			LED clearance lts and reflectors	1	MTL
50-22-0700			Whelan 64 LED tail/brake-turn-backup module (pr)	1	MTL
50-31-6000	>		Scene lights (pr) - GHSCENE halogen	2	MTL
50-31-6011			Scene light boxes not required	2	MTL
50-31-6600	S		Ground lighting (4" LED) - 2 door chassis	1	MTL
50-31-6620	S		Ground lighting (4" LED) - side mount body	1	MTL
50-99-0500	U <		Antenna base only mounted front corner of chassis cab	2	
			Change Order E - March 05.2014		
			Radio mount only for customer Kenwood radio in dash - radio is 6.3"W x 1.7"H x 5.4"D.		

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			Motorola radio for TMR will be mounted by customer using customer mount between cup holders ahead of console, no additional work by Metalfab.		
50-99-4500	U		Whelen PFBP12C LED Rear Flood (pr)	1	
			BODY	1	MTL
60-10-1400			Single axle extruded aluminum body	1	MTL
60-10-4100			No "beavertail" rear step supports	1	MTL
60-10-4600			Painted fender surround	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
60-10-6500	S		Bolt on extruded aluminum rub rail	1	MTL
60-11-0100	>		Front left side compartment to top of wheel well	1	MTL
60-11-0150	>		Second front left side compartment to top of wheel well	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	4	MTL
60-31-4100			Extruded aluminum handrails	1	MTL
60-31-5000			Zico access Ladder at rear of unit	1	MTL
60-31-5500			Steps at rear of body (folding)	1	MTL
60-31-5600			Steps and grab handles at front of body next to pump panel	1	MTL
60-31-6500			Compartment matting-Turtle tile	1	MTL
60-31-8400			Fixed vertical partition	1	MTL
60-31-8700	>		Sliding tray (ea) - 400 pound capacity with gas strut	2	MTL
60-31-9600	S	>	Adjustable shelf (ea)	2	MTL
60-32-3500			One adjustable hose divider	1	MTL
60-32-7500			Hose bed - aluminum	1	MTL
60-33-0000			Paint exterior - Imron Elite	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
60-33-2000			Lettering - no lettering provided	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	1	MTL
			E		
60-40-5500			Suction hose tube (each) with door	2	MTL
60-41-6001	S	>	Zico hydraulic portable tank rack	1	MTL
60-41-6010			ZICO PTS switched at rear above tail light	1	MTL
60-41-6110	S		Painted plate on exterior of Zico PTS	1	MTL
60-41-7090			No tread plate on body behind porta tank rack	1	MTL
60-41-7500	S	>	Drop down ladder rack - 2 section, roof - manual operation	1	MTL
60-41-7515			Assist handles not required	1	MTL
			E		
			INSTRUMENTATION	1	MTL
70-11-0000			Warning Label on Pump Operator's Panel	1	MTL
70-11-0500			Side mount instrument panel	1	MTL
70-11-1500			Stainless steel instrument panels	1	MTL
70-11-3200			Colour coded tags	1	MTL
70-11-4100			Stainless steel side panel hood left side	1	MTL
70-11-4500	S		Diamondback grip type panel hood step right side	1	MTL
70-11-5000	U		Price Adjustment	1	
70-11-5100	S		Open storage at rear top of pump house	1	MTL
70-11-5500			Right side tread plate pump access door	1	MTL
70-11-7500			Heat pan-aluminum	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
70-11-8000			Heater in pump compartment	1	MTL
70-20-0500	U		Price Adjustment	2	
70-20-1500			2-1/2" pressure gauge - dual face 0-600	3	MTL
70-20-2500			Primer control	1	MTL
70-20-3100	U		Price Adjustment	1	
70-20-3300	S		FRC InControl Governor Control	1	MTL
70-20-3510	S		Electric water level gauge on pump panel and at rear, Class One	1	MTL
70-20-6500			Test gauge panel	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
71-21-3101		>	Transmission warning light not required	1	MTL
			E		
			ACCESSORIES	1	MTL
80-14-0500	S		24' 2 section extension ladder PEL 24	1	MTL
80-14-5500	S		14' aluminum roof ladder PRL-14	1	MTL
80-15-1000	S		2000 l gallon portable tank - Husky	1	MTL
80-18-0500		<	SCBA bracket with strap - compt mount	4	MTL
			Mounted on fixed divider on slide out tray in front right side compartment		
80-99-05AA	U		Zico UHH-1 Helmet Holder - ship loose	2	