



Shop Order-00-10-15: Unclassified

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Exp. Date: 05/28/2014
Quote No: JBENB-0006
Job/Order No: 17950

BODY: 00-10-15 Metalfab Pumper - ULC 05/13

02/17/2017

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PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			== Metalfab Pumper - ULC 05/13 - 0.000 ==	1	MTL
			CHANGE ORDER B	1	MTL
00-10-1500			Metalfab Pumper E	1	MTL
00-20-1000			Company Profile E	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			Ultra Tank Lifetime Warranty	1	MTL
00-20-2100	S		Plant Inspection Visits E	5	MTL
00-20-3000			No Bonding Required	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
00-99-0010	U		Compliance with Tender Document	1	
			GENERAL INFORMATION	1	MTL
10-11-0000			Intent E	1	MTL
10-11-0105			Vehicle Data Recorder not requested	1	MTL
10-11-1100	S		ULC S515-04 Compliance	1	MTL
10-11-1500		>	ULC Testing - Pumper	1	MTL
10-11-2100			Maximum length not specified E	1	MTL
10-11-2200	S		Maximum height 130"	1	MTL
10-11-2300			Overall length is less than 30'	1	MTL
10-11-2500		<	General Construction	1	MTL
			Total weight to be no more than 90% of the GVWR		
10-11-2600	S		Preconstruction Meeting E	1	MTL
10-11-3000			Manuals - two copies	1	MTL
10-11-3600	S	< >	Delivery - FOB Fire Department E	1	MTL
			4 hours of training to be provided		
			Penalty of \$100 per day after November 14.2014		
10-11-4000	S		Payment Terms - Chassis Net 10 days, Balance COD	1	MTL
10-20-1000			Hose bed capacity - standard ULC Pumper	1	MTL
10-20-2000			Equipment carrying capacity - standard ULC Pumper	1	MTL
10-99-05AA	U		Three sets of approval drawings before construction	1	
			CHASSIS INFORMATION	1	MTL
20-11-1000	S		Chassis supplied by Metalfab	1	MTL
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1700			Chassis Motor Vehicle Inspection required - NB	1	MTL
			E		

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
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
20-21-1550			Tire Pressure Indicators not requested	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 E	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 E	1	MTL
20-31-7500			Console in cab	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 E	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
20-51-0500			Master disconnect switch - manual	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
			Located on the left side pump panel		
20-51-4000	S	<	Auto eject for air inlet - RS	1	MTL
			To be installed on the RIGHT side pump panel		
20-51-5600	S	<	Flashing headlights w/ daytime running lights	1	MTL
			In addition to the Flashing headlights ordered with the chassis there shall be Code 3 LED Hide-A-Blast, Model # HB915W.		
			Customer to confirm location of Hide-a-Blast lights at Pre-construction meeting and if switched separately or in conjunction with the flashing headlights:		
20-51-6200		>	120 volt 20 A shore line connection in chassis cab	3	MTL
20-51-6500		<	Kussmaul Autocharge 1000 battery conditioner w/battery saver	1	MTL
			Display and connection to be installed on the RIGHT side pump panel		
20-51-7101			Electric System Management not required	1	MTL
			E		
20-51-7300	S	>	Low Voltage Alarm in cab	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
20-51-9100	S		Air horns on hood, lanyard controlled	1	MTL
20-52-3000		>	Chassis steering wheel lined up by others	1	MTL
20-60-0400			Chassis wheelbase does not change	1	MTL
20-99-15AA	U		Pump panel lights - Lumabar LED	1	
20-99-20AA	U		Master Panel Light Switch	1	
			PUMP AND PLUMBING	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
30-11-5600			Hale QFLO Single stage 1050 IGPM	1	MTL
30-12-3300			Mechanical seal for Hale QFLO/QPAK pumps	1	MTL
30-15-0102			Plumbing - Hale manifold pump TM SS	1	MTL
30-20-1000			Valves and controls - top mount panel	1	MTL
30-20-1001			Valve brand not specified E	1	MTL
30-20-1600			Piping stainless steel - general	1	MTL
30-20-1700	S		1-1/2" thread specifications - NPSH	1	MTL
30-20-1800	S		2-1/2" thread specifications - 3x8 thread (BCT)	1	MTL
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2500			Anodes in suction and discharge piping	1	MTL
30-21-8510		<	Tank to Pump 4" butterfly valve SS, handwheel control, check valve manifold pump	1	MTL
			Hand wheel must be chrome or polished aluminum (not plastic).		
30-22-2030			Tank Fill valve 3" TM SS	1	MTL
30-31-4010	S		Suction - 6" each side manifold pump	1	MTL
30-31-5100	S		Suction - 6" SS piping to rear - electric control - 6" connection	1	MTL
30-31-7200		>	Hale master intake suction valve - electric control	3	MTL
30-31-7220			Butterfly valve handwheel control remote indicator light closed only	1	MTL
30-32-7530			Suction - 2-1/2" left side SS, bleeder, Hale manifold pump	1	MTL
30-32-8030			Suction - 2-1/2" right side SS, bleeder, Hale manifold pump	1	MTL
30-40-2030			4" right discharge TM SS, plumbed 3", Hale manifold pump	1	MTL
30-41-2030			2-1/2" RS discharge TM SS, bleeder, Hale manifold pump	1	MTL
30-41-2030	S		2-1/2" RS discharge TM SS, bleeder, Hale manifold pump	1	MTL
30-41-2530			2-1/2" LS discharge TM SS, bleeder, Hale manifold pump	2	MTL
30-43-1530			2-1/2" rear discharge TM SS, plumbed 2-1/2", bleeder	2	MTL
30-44-0530	S	<	1-1/2" crosslay (each) TM SS, 2" valve, bleeder	2	MTL
			The crosslay will be 14" wide with one divider		
			Connections are to be one each end, not in centre of hose bed		
30-44-6530			Piping for monitor TM SS, plumbed 3", bleeder	1	MTL
30-44-8500	S	>	Hose reel, 1" X 200', nozzle, electric - hosebed mounted	1	MTL
30-51-0500			Pump shift-Midship air	1	MTL
30-51-0700			Pump Gearbox mounted manual over ride for pump shift E	1	MTL
30-51-6640			Class One "TPG Plus" Governor/Throttle	1	MTL
30-51-7000			Suction side relief V/V, manifold pump	3	MTL
30-51-7700			Primer Hale oil less ESP with oil tank Hale	1	MTL
30-51-7800			Pre Primer for gated suction Hale primer	1	MTL
30-51-8100			Heat exchanger included with chassis	1	MTL
30-52-1000			Master drain V/V, 12 port	1	MTL
30-52-2000			Drain valve for foam system header	1	MTL
30-52-4010	S		Foam System - Hypro FoamPro 1600	1	MTL
30-52-8100		<	Electric foam fill pump with panel pickup	1	MTL
			To be installed on the RS pump panel		
			The fill hose is to be included and mounted inside the RS pump panel door		
30-52-9100			Foam concentrate label at foam tank fill	1	MTL
30-52-9200			Foam System Instruction Plates	1	MTL
30-52-9400			NFPA Foam System certification test	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
40-11-5000			Tank capacity 1000 Imperial Gallons	1	MTL
40-12-5000			Foam cell - 30 Imperial gallon	1	MTL
40-13-0100		>	Through the tank tunnel - up to 1200 gallon tank	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
40-21-1000			4" tank to pump connection	1	MTL
40-22-1500			3" tank fill connection	1	MTL
40-23-0500			1" water level gauge 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
40-31-5500			Electric operator for Newton dump	1	MTL
40-31-6050			Rear fill not requested E	1	MTL
			ELECTRICAL	1	MTL
50-11-0450			Base electrical system - International Diamond Logic multiplex	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	S		Rocker switch panel with master warning switch	1	MTL
50-11-2600			Siren to be accessible to driver and officer	1	MTL
50-11-5002	S		Special Light Bar - Code 3 DF58NFPA1	1	MTL
50-11-6501			Rear Directional Light not required E	1	MTL
50-21-2540			FRC telescoping SPECTRA LED 12V flood (ea)	2	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			Step lights for body steps - 4" LED	1	MTL
50-21-8110			Step lights for walkway - 4" LED	1	MTL
50-21-8201			Step lights for chassis steps - LED marker type	1	MTL
50-21-8600			LED clearance lts and reflectors	1	MTL
50-22-0750	S	<	Code 3 65PKG4 brake-turn-backup-warning module (pr) Department requests 65PKG4 to be used	1	MTL
50-31-6550			Ground lighting (LED Lumabar) - 2 door chassis	1	MTL
50-31-6580			Ground lighting (LED Lumabar) - top mount body	1	MTL
50-31-7000		>	Work light for crosslay hose beds	1	MTL
50-35-0500	S		Installation of customer supplied mobile radio	2	MTL
50-35-0560			VHF antenna with base - commercial chassis	1	MTL
50-35-0570			UHF antenna with base - commercial chassis	1	MTL
50-99-05AA	U		Code 3 Z3 siren and C3100 100-watt speaker	1	
50-99-10AA	U		Rear LED Beacons - #A36RS (pr)	1	
50-99-15AA	U		LED Perimeter lights - 4"x6" 65BZR (pr)	4	
50-99-20AA	U		Additional hose bed lighting	1	
50-99-4500	U		Unity LED Rear Flood (pr)	1	
			BODY	1	MTL
60-10-1400			Single axle extruded aluminum body	1	MTL
60-10-4000			Tapered "beavertail" rear step supports E	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
60-11-0200		< >	Front left side compartments intermediate height Size - 47" wide x46" tall x 25" deep at bottom (12" deep at top)	1	MTL
60-11-0600		< >	Front right side compartments intermediate height Size - 47" wide x46" tall x 25" deep at bottom (12" deep at top)	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
60-11-0900	< >		Rear left side compartments intermediate height Size - 44" wide x46" tall x 25" deep at bottom (12" deep at top)	1	MTL
60-11-1300	< >		Rear right side compartments intermediate height Size - 44" wide x46" tall x 25" deep at bottom (12" deep at top)	1	MTL
60-11-2000	< >		High side compartment (over 18") each Size - 60" wide x10" tall x 12" deep	2	MTL
60-11-3200	< >		Full Height Rear compartment Size - 38" wide x61" tall x 25" deep	1	MTL
60-11-5500			Rollup door - standard height	2	MTL
60-11-5510			Rollup door - intermediate height	4	MTL
60-11-5520			Rollup door - full height	1	MTL
60-31-4100			Extruded aluminum handrails	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 Handles will be aft of the crosslays and on vertical front edge of the body	1	MTL
60-31-6500			Compartment matting-Turtle tile	1	MTL
60-31-8000			BA bottle compt (ea)-fender well	4	MTL
60-31-8700	>		Sliding tray (ea) - 400 pound capacity with gas strut	4	MTL
60-31-9600	>		Adjustable shelf (ea)	8	MTL
60-32-3560			Three adjustable hose divider (each)	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
60-33-2200	S		Lettering - 80 letters up to 3" tall - 3 colour	1	MTL
60-33-3000			Reflective stripe - 4" white	1	MTL
60-33-3500			Tarp over hose bed - black	1	MTL
60-33-4000			Tarp over crosslays - black	1	MTL
60-40-5500			Suction hose tube (each) with door	2	MTL
60-40-8500	>		Tail light box Fire Extinguisher tubes (pr)	2	MTL
60-40-9001	S	>	Tube mount for portable tank through tank	1	MTL
60-41-1000			Pike Pole tube with door	2	MTL
60-41-9000	S	>	Zico electric Ladder Access system	2	MTL
60-41-9010			ZICO LAS switched at rear above tail light E	2	MTL
60-41-9100			Manual locking system for LAS	2	MTL
60-99-05AA	U		Unistruts for additional shelves	1	
			INSTRUMENTATION	1	MTL
70-11-0000			Warning Label on Pump Operator's Panel	1	MTL
70-11-1500			Stainless steel instrument panels	1	MTL
70-11-2000			Top mount instrument panel	1	MTL
70-11-2500			Transverse walkway	1	MTL
70-11-2600			Tread plate overlay on back of chassis cab	1	MTL
70-11-3000			Mansaver bars - 22"	1	MTL
70-11-3200	S		Colour coded tags	1	MTL
70-11-3501			Compartments in ends of walkway not required	1	MTL
70-11-4500			Diamondback grip type panel hood step right side	1	MTL
70-11-4600			Diamondback grip type panel hood step left side	1	MTL
70-11-5500			Right side tread plate pump access door	1	MTL
70-11-5600			Left side tread plate pump access door	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
70-11-5700			Transverse tread plate pump access door	1	MTL
70-11-7500			Heat pan-aluminum	1	MTL
70-11-8000			Heater in pump compartment	1	MTL
70-20-1500			2-1/2" pressure gauge - dual face 0-600	10	MTL
70-20-2500			Primer control	1	MTL
70-20-3100			Class One Governor Control	1	MTL
70-20-3500			Electric water level gauge on pump panel, Class One	1	MTL
70-20-6500			Test gauge panel	1	MTL
70-20-7500			Heat exchanger control valve	1	MTL
70-21-1600			Electric Foam Level gauge not required	1	MTL
70-21-5500			Panel readout for Battery Conditioner	1	MTL
70-99-10AA	U		Low Voltage Alarm	1	
			ACCESSORIES	1	MTL
80-11-5000			6" x 10' lightweight suction hose (ea)	2	MTL
80-12-2500			6" barrel strainer	1	MTL
80-12-4500	>		6" low level strainer with 1-1/2" venturi connection	1	MTL
80-13-0500			Rubber mallet	1	MTL
80-13-1200	<		Clare hose wrenches (double) with holder Mount on each side panel and at rear of unit	3	MTL
80-13-1500			Bar with bracket	1	MTL
80-13-2500			Pike pole, fiberglass handle - 10' long	1	MTL
80-13-2510			Pike pole, fiberglass handle - 6' long	1	MTL
80-13-4000			Axe, pick head, fiberglass handle and bracket	2	MTL
80-14-0500	S		24' 2 section extension ladder PEL 24	1	MTL
80-14-2500	S		35' 3 section extension ladder PEL3-35	1	MTL
80-14-5500			14' aluminum roof ladder PRL-14	1	MTL
80-14-7500			Padded ladder boot - 2 section and roof ladder	1	MTL
80-14-7510	S		Padded ladder boot - 3 section 35' ladder	1	MTL
80-14-8500			10' aluminum folding attic ladder FL-10	1	MTL
80-14-9000			Attic ladder bracket (Zico)	1	MTL
80-16-0500			Akron 3423 Portable/deck monitor with stacked tips	1	MTL
80-16-1500			Akron 2581 gated wye	1	MTL
80-17-0500			20# dry chemical fire extinguisher and mount	1	MTL
80-17-1000			15# CO2 fire extinguisher and mount	1	MTL
80-19-0500			Large folding wheel chock - aluminum (ea) not mounted	2	MTL
80-99-10AA	U		Air chuck with 25' of 3/8" air hose	1	
80-99-40AA	U		6" NHF to 4" storz adapter w/ 4" storz cap	1	