



Shop Order-00-10-15: Unclassified

Iona Volunteer Fire Department  
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**Exp. Date:** 11/14/2013  
**Quote No:** 10003-0008      **Job/Order No:** 17530  
**BODY:** 00-10-15      Metalfab Pumper - ULC 05/13

02/17/2017

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PART NO	S	STN CODE	DESCRIPTION	QTY	ID
			<b>== Metalfab Pumper - ULC 05/13 - 0.000 ==</b>	<b>1</b>	<b>MTL</b>
			<b>Change Order D</b>	<b>1</b>	<b>MTL</b>
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
00-20-2000			Plant Visits - unlimited at customer expense	1	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
			GENERAL INFORMATION	1	MTL
10-11-0000			Intent E	1	MTL
10-11-0105			Vehicle Data Recorder not requested	1	MTL
10-11-1100			ELC 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			Maximum height not specified E	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
<b>10-11-3600</b>	<b>S</b>	<b>&gt;</b>	<b>Delivery - FOB Fire Department E</b>	<b>1</b>	<b>MTL</b>
<b>10-11-4000</b>			<b>Payment Terms - Chassis Net 10 days, Balance COD</b>	<b>1</b>	<b>MTL</b>
10-20-1000			Hose bed capacity - standard ULC Pumper	1	MTL
10-20-2000			Equipment carrying capacity - standard ULC Pumper	1	MTL
			CHASSIS INFORMATION	1	MTL
<b>20-11-1000</b>	<b>S</b>		<b>Chassis supplied by Metalfab E</b>	<b>1</b>	<b>MTL</b>
20-11-1500			2013 Emission chassis modifications	1	MTL
20-11-1600			Chassis Motor Vehicle Inspection not required	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
20-21-1550			Tire Pressure Indicators not requested	1	MTL
20-21-1600			Apparatus Information Label	1	MTL
<b>20-21-2000</b>			<b>Non removable key</b>	<b>1</b>	<b>MTL</b>
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

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20-21-4000			Rear mudflaps - Metalfab Logo	1	MTL
20-31-0200			Fuel fill label -Ultra Low Sulfur Diesel only	1	MTL
<b>20-31-0500</b>			<b>Alum tread fuel tank trim, Conv - 2 door</b>	<b>1</b>	<b>MTL</b>
20-31-1900			Chassis cab not painted E	1	MTL
<b>20-31-7000</b>	<b>S</b>		<b>SS nut covers, hub caps and high hats - single axle</b>	<b>1</b>	<b>MTL</b>
20-41-0600			Intake air shutoff for engine not required	1	MTL
<b>20-41-0900</b>			<b>Auxiliary braking system disabled when pumping</b>	<b>1</b>	<b>MTL</b>
20-41-1100			Transmission programming - Allison WT	1	MTL
20-41-1500			Extend exhaust pipe - RS front of rear wheels	1	MTL
			E		
<b>20-41-1801</b>			<b>Battery boost terminals not required - batteries accessible</b>	<b>1</b>	<b>MTL</b>
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
<b>20-51-0700</b>			<b>Master Battery Disconnect included with chassis</b>	<b>1</b>	<b>MTL</b>
<b>20-51-2600</b>			<b>Back up alarm</b>	<b>1</b>	<b>MTL</b>
<b>20-51-3000</b>			<b>Air inlet with matching fitting - LS</b>	<b>1</b>	<b>MTL</b>
20-51-3400			Protection valve installed for air operated accessories	1	MTL
<b>20-51-6000</b>			<b>Battery charger receptacle and cord connector</b>	<b>1</b>	<b>MTL</b>
<b>20-51-7101</b>			<b>Electric System Management not required</b>	<b>1</b>	<b>MTL</b>
			E		
20-51-8500			Engine compartment lights (pair)	1	MTL
<b>20-51-9001</b>			<b>Air horns not requested</b> E	<b>1</b>	<b>MTL</b>
20-52-3000		>	Chassis steering wheel lined up by others	1	MTL
20-60-0400			Chassis wheelbase does not change	1	MTL
			PUMP AND PLUMBING	1	MTL
30-11-5600			Hale QFLO Single stage 1050 IGPM	1	MTL
30-12-3300			Mechanical seal for Hale QFLO/QPAK pumps	1	MTL
30-15-0103			Plumbing - Hale manifold pump SM	1	MTL
30-20-0500			Valves and controls - side mount panel	1	MTL
30-20-1001			Valve brand not specified E	1	MTL
30-20-1500			Piping galvanized steel - general	1	MTL
<b>30-20-1700</b>	<b>S</b>		<b>1-1/2" thread specifications - NPSH</b> E	<b>1</b>	<b>MTL</b>
<b>30-20-1800</b>	<b>S</b>		<b>2-1/2" thread specifications 3.23 x 5 NSZ1</b> E	<b>1</b>	<b>MTL</b>
30-20-2000			Piping hydrostatic test	1	MTL
30-20-2505			Anodes in suction and discharge piping not requested	1	MTL
30-21-5500			Tank to Pump 3" w/ check valve manifold pump	1	MTL
30-22-0500			Tank Fill valve 2"	1	MTL
30-31-4010			Suction - 6" not gated each side manifold pump	1	MTL
30-32-7500			Suction - 2-1/2" left side, bleeder, Hale manifold pump	1	MTL
30-41-2000			2-1/2" RS discharge, bleeder, Hale manifold pump	2	MTL
30-41-2500			2-1/2" LS discharge, bleeder, Hale manifold pump	2	MTL
<b>30-43-1500</b>			<b>2-1/2" rear discharge, plumbed 2-1/2", bleeder</b>	<b>1</b>	<b>MTL</b>
<b>30-44-0500</b>			<b>1-1/2" crosslay (each), 2" valve, bleeder</b>	<b>2</b>	<b>MTL</b>
30-51-0500			Pump shift-Midship air	1	MTL
30-51-0700			Pump Gearbox mounted manual over ride for pump shift	1	MTL
			E		
<b>30-51-6640</b>			<b>Class One "TPG Plus" Governor/Throttle</b>	<b>1</b>	<b>MTL</b>
30-51-7000			Suction side relief V/V, manifold pump	1	MTL
30-51-7700			Primer Hale oil less ESP with oil tank Hale	1	MTL
<b>30-51-8100</b>			<b>Heat exchanger included with chassis</b>	<b>1</b>	<b>MTL</b>
30-52-1000			Master drain V/V, 12 port	1	MTL
<b>30-52-2000</b>			<b>Drain valve for foam system header</b>	<b>1</b>	<b>MTL</b>
<b>30-52-5510</b>			<b>Foam system-Hypro FoamPro 2001 Single Tank</b>	<b>1</b>	<b>MTL</b>
<b>30-52-9100</b>			<b>Foam concentrate label at foam tank fill</b>	<b>1</b>	<b>MTL</b>
<b>30-52-9200</b>			<b>Foam System Instruction Plates</b>	<b>1</b>	<b>MTL</b>
<b>30-52-9400</b>			<b>NFPA Foam System certification test</b>	<b>1</b>	<b>MTL</b>
			WATER AND FOAM TANKS	1	MTL
40-11-2100			Ultra-Tank water tank (Imperial gallons)	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
40-11-2200			Water tank capacity certification (tank manufacturer)	1	MTL
40-11-5000			Tank capacity 1000 Imperial Gallons	1	MTL
<b>40-12-4500</b>			<b>Foam cell - 20 Imperial gallon</b>	<b>1</b>	<b>MTL</b>
40-21-0500			3" 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
<b>40-23-1070</b>			<b>3" direct fill connection</b>	<b>1</b>	<b>MTL</b>
40-30-0400			3" plug in sump box	1	MTL
40-30-1000			Water Fill Box front left corner	1	MTL
40-31-0400			Rear dump valve not requested	1	MTL
<b>40-31-6000</b>			<b>2-1/2" rear gtd tank fill</b>	<b>1</b>	<b>MTL</b>
			ELECTRICAL	1	MTL
<b>50-11-0500</b>			<b>Base electrical system</b>	<b>1</b>	<b>MTL</b>
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
<b>50-11-0900</b>			<b>Rocker switch panel with master warning switch</b>	<b>1</b>	<b>MTL</b>
50-11-1400			Federal PA300 100 watt siren	1	MTL
50-11-1620			Siren speaker,100 watt, in front bumper	1	MTL
<b>50-11-2600</b>			<b>Siren to be accessible to driver and officer</b>	<b>1</b>	<b>MTL</b>
<b>50-11-5810</b>		>	<b>Federal SOLARIS Jetsonic 5401 LED light bar all red</b>	<b>1</b>	<b>MTL</b>
50-11-6501			Rear Directional Light not required	1	MTL
<b>50-11-8900</b>	S		<b>Rear beacons-Federal Sentry (pr) 1 red, 1 amber</b>	<b>1</b>	<b>MTL</b>
<b>50-12-5020</b>			<b>Front LED flashers (pr)-red Federal QL64XF-R</b>	<b>1</b>	<b>MTL</b>
<b>50-12-5110</b>			<b>Rear LED flashers (pr)-red Federal QL64XF-R</b>	<b>1</b>	<b>MTL</b>
<b>50-12-5210</b>			<b>Front side inter lts (pr)-red LED Federal QL64XF-R</b>	<b>1</b>	<b>MTL</b>
<b>50-12-5310</b>			<b>Body side inter lts (pr)-red LED Federal QL64XF-R</b>	<b>1</b>	<b>MTL</b>
50-21-1500			Rear floods (pr)-Unity	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
<b>50-21-5550</b>			<b>Equipment rack not stowed warning light</b>	<b>1</b>	<b>MTL</b>
50-21-8000			Step lights for body steps	1	MTL
50-21-8200			Step lights for chassis steps - halogen 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
50-31-6500			Ground lighting (halogen) - 2 door chassis	1	MTL
50-31-6520			Ground lighting (halogen) - side mount body	1	MTL
			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
<b>60-10-5430</b>	S	>	<b>Diamondback 19" rear step</b>	<b>1</b>	<b>MTL</b>
60-10-6000			Extruded rub rail	1	MTL
60-11-0100		>	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
60-11-0800		>	Rear left side compartment to top of wheel well	1	MTL
60-11-1100		>	Rear right side compartment to top of wheel well	1	MTL
60-11-3200		>	Full Height Rear compartment	1	MTL
<b>60-11-5500</b>	S		<b>Rollup door - standard height</b>	<b>4</b>	<b>MTL</b>
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	1	MTL
60-31-6500			Compartment matting-Turtle tile	1	MTL
<b>60-31-8700</b>	S	>	<b>Sliding tray (ea) - 400 pound capacity with gas strut</b>	<b>1</b>	<b>MTL</b>
<b>60-32-3550</b>			<b>Two adjustable hose divider (each)</b>	<b>1</b>	<b>MTL</b>
60-32-7500			Hose bed - aluminum	1	MTL

PART NO	S	STN CODE	DESCRIPTION	QTY	ID
<b>60-33-0000</b>			<b>Paint exterior - Imron Elite</b>	1	<b>MTL</b>
60-33-0200			Undercoat vehicle with KROWN rust protection	1	MTL
<b>60-33-0600</b>			<b>Chassis wheels not painted</b>	1	<b>MTL</b>
60-33-1000			Paint pump and plumbing job colour	1	MTL
60-33-1500			Buffed finish compartment interior	1	MTL
<b>60-33-2200</b>			<b>Lettering - 80 letters up to 3" tall - 3 colour</b>	1	<b>MTL</b>
<b>60-33-3000</b>			<b>Reflective stripe - 4" white</b>	1	<b>MTL</b>
<b>60-33-3310</b>			<b>Reflective stripe - red and yellow chevron at rear</b>	1	<b>MTL</b>
60-33-3500			Tarp over hose bed - black	1	MTL
60-33-4600			Aluminum cover over crosslays - with end tarps (black)	1	MTL
<b>60-40-5500</b>			<b>Suction hose tube (each) with door</b>	2	<b>MTL</b>
<b>60-41-7000</b>		>	<b>Drop down portable tank rack - manual operation</b>	1	<b>MTL</b>
<b>60-41-7100</b>			<b>Tread plate on body behind porta tank rack</b>	1	<b>MTL</b>
<b>60-41-7110</b>			<b>No tread plate exterior manual drop down porta tank rack</b>	1	<b>MTL</b>
<b>60-41-7515</b>			<b>Assist handles not required</b>	1	<b>MTL</b>
<b>60-41-8500</b>			<b>Ladder rack side - 2 sect and roof</b>	1	<b>MTL</b>
			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
70-11-4000			Stainless steel side panel hood right side	1	MTL
70-11-4100			Stainless steel side panel hood left side	1	MTL
70-11-5000			Standard cover over rear top of pump house - no storage	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
70-20-1500			2-1/2" pressure gauge - dual face 0-600	7	MTL
70-20-2500			Primer control	1	MTL
<b>70-20-3100</b>			<b>Class One Governor Control</b>	1	<b>MTL</b>
70-20-3500			Electric water level gauge on pump panel, Class One	1	MTL
70-20-6500			Test gauge panel	1	MTL
<b>70-20-7500</b>			<b>Heat exchanger control valve</b>	1	<b>MTL</b>
<b>70-21-1600</b>			<b>Electric Foam Level gauge not required</b>	1	<b>MTL</b>
			ACCESSORIES	1	MTL
80-11-5000			6" x 10' lightweight suction hose (ea)	2	MTL
80-12-2500			6" barrel strainer	1	MTL
80-13-0500			Rubber mallet	1	MTL
<b>80-13-1000</b>	S		<b>Hose wrenches (double) with holder</b>	2	<b>MTL</b>
<b>80-14-0500</b>			<b>24' 2 section extension ladder PEL 24</b>	1	<b>MTL</b>
<b>80-14-5500</b>			<b>14' aluminum roof ladder PRL-14</b>	1	<b>MTL</b>
<b>80-15-0500</b>			<b>1500 l gallon portable tank - Husky</b>	1	<b>MTL</b>
<b>80-15-6500</b>	S	<	<b>6" external suction butterfly valve</b>	1	<b>MTL</b>
			Assemble, make sure it clears other components on both pump panels, and box up to ship loose		