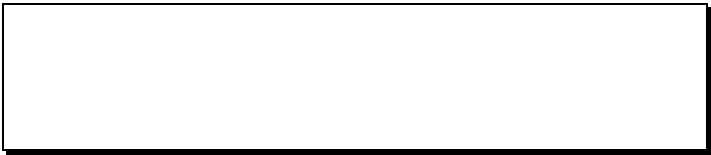




Shop Order-00-10-15: Unclassified

South-West Oxford Fire & Emergency Services
 Chief Jeff VanRybroeck
 312915 Dereham Line
 Mount Elgin, ON N0J 1N0



Exp. Date: 10/21/2016
Quote No: ESOON-0115 **Job/Order No:** 19401
BODY: 00-10-15 Metalfab Pumper - ULC 05/13

07/03/2017

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| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|-------------------|---|----------|--|-----|-----|
| | | | == Metalfab Pumper - ULC 05/13 - 0.000 == | 1 | MTL |
| | S | | CHANGE ORDER F | 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 | S | | Polypropylene Tank Lifetime Warranty | 1 | MTL |
| 00-20-2000 | | | Plant Visits - unlimited at customer expense | 1 | MTL |
| 00-20-2800 | S | | Bid 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 E | 1 | MTL |
| 10-11-0110 | | | Vehicle data recorder included with chassis | 1 | MTL |
| 10-11-1101 | S | | ULC S515-13 and NFPA 1901-2009 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 |
| 10-11-2400 | | | Overall length is 30' or more | 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 |
| 10-11-4200 | S | | Payment Terms - Chassis and Body COD with 10% hold back for 60 days | 1 | MTL |
| 10-20-1400 | S | > | Hose capacity exceeding ULC/NFPA requirements | 1 | MTL |
| 10-20-2000 | | | Equipment carrying capacity - standard ULC Pumper | 1 | MTL |
| | | | CHASSIS INFORMATION | 1 | MTL |
| 20-11-1000 | S | | Chassis supplied by Metalfab - Freightliner 114SD | 1 | MTL |
| 20-11-1500 | | | 2013 Emission chassis modifications | 1 | MTL |
| 20-11-17AA | U | | PDI, MVI, License and Registration | 1 | MTL |
| 20-21-0500 | | | Fluid capacity plate | 1 | MTL |
| 20-21-0600 | | | Pumping test plate | 1 | MTL |
| 20-21-1030 | | | Maximum riders sign - 5 persons | 1 | MTL |
| 20-21-1510 | | | Seat belt warning labels - 4 door chassis | 1 | MTL |
| 20-21-1520 | | | Helmet warning label - do not wear helmet | 4 | 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 E | 1 | MTL |

| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|-------------------|----------|-------------|---|----------|------------|
| 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 |
| 20-31-1100 | | | Alum tread fuel tank covers, diamond grip steps, Conv - 4 dr | 1 | MTL |
| 20-31-1900 | S | | Chassis cab painted by Freightliner | 1 | MTL |
| 20-31-4700 | S | > | Extend front bumper, gravshld with preconnected hosewell | 1 | MTL |
| | | | E | | |
| 20-31-7500 | | | Console in cab | 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 |
| | | | E | | |
| 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 |
| 20-51-2700 | | | Back up alarm - self adjusting | 1 | MTL |
| | | | E | | |
| 20-51-3100 | | | Air inlet not required | 1 | MTL |
| 20-51-3400 | | | Protection valve installed for air operated accessories | 1 | MTL |
| 20-51-6200 | | > | 120 volt 20 A shore line connection in chassis cab | 1 | MTL |
| 20-51-6600 | | | Kussmaul Pump Plus conditioner/compressor | 1 | MTL |
| 20-51-7200 | | | Total System Manager | 1 | MTL |
| 20-51-7500 | S | | Super Auto eject for 120 v - 20 A with sealed enclosure | 1 | MTL |
| 20-51-8500 | | | Engine compartment lights (pair) | 1 | MTL |
| 20-51-9110 | | | Air horns on hood, chassis OEM switch controlled | 1 | MTL |
| | | | E | | |
| 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 | | Air horn control on pump panel | 1 | |
| | | | PUMP AND PLUMBING | 1 | MTL |
| 30-11-3800 | | | Hale DSD midship pump - 1050 IGPM | 1 | MTL |
| 30-15-0304 | | | Plumbing - non manifold pump SM SS | 1 | MTL |
| | | | E | | |
| 30-20-0500 | | | Valves and controls - side mount panel | 1 | MTL |
| 30-20-1003 | S | | Elkhart valves specified | 1 | MTL |
| 30-20-1620 | | | Piping stainless steel - MG, DSD pumps | 1 | MTL |
| 30-20-1700 | S | | 1-1/2" thread specifications - NPSH | 1 | MTL |
| 30-20-1800 | S | | 2-1/2" thread specifications - CSA | 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 |
| 30-31-4020 | S | | Suction - 6" each side SS non manifold pump 6" header | 1 | MTL |
| 30-31-50AA | U | | 6" front suction, SS, 5" piping, CP elbow | 1 | |
| 30-31-7100 | | > | Hale master intake suction valve - handwheel control | 1 | MTL |
| 30-31-7200 | | > | Hale master intake suction valve - electric control | 2 | MTL |
| 30-32-7550 | S | | Suction - 2-1/2" left side SS, bleeder, non manifold pump | 1 | MTL |
| 30-40-2006 | | | 4" right discharge, plumbed 3", non manifold pump | 1 | MTL |
| 30-41-2040 | | | 2-1/2" RS discharge SS, bleeder, non manifold pump | 2 | MTL |
| 30-41-2540 | | | 2-1/2" LS discharge SS, bleeder, non manifold pump | 1 | MTL |
| 30-43-1520 | S | | 2-1/2" rear discharge SS, plumbed 2-1/2", bleeder | 1 | MTL |
| 30-44-0520 | | | 1-1/2" crosslay (each) SS, 2" valve, bleeder | 2 | MTL |
| 30-44-3500 | S | | 2-1/2" crosslay, plumbed 2-1/2", bleeder | 1 | MTL |
| 30-44-6520 | | | Piping for monitor SS, plumbed 3", bleeder | 1 | MTL |
| 30-51-0500 | | | Pump shift-Midship air | 1 | MTL |
| 30-51-0700 | | | Pump Gearbox mounted manual over ride for pump shift | 1 | MTL |
| | | | E | | |

| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|------------|---|----------|--|-----|-----|
| 30-51-6800 | | | FRC InControl Governor/Throttle engine display with throttle knob | 1 | MTL |
| 30-51-7001 | U | | Suction side relief V/V, manifold pump (w/Hale MIV) | 3 | |
| 30-51-7714 | U | | Trident air primer - 4 location | 1 | |
| 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 |
| 30-52-5510 | S | | Foam system-Hypro FoamPro 2001 Single Tank | 1 | MTL |
| 30-52-69AA | U | | Flush for FoamPro 2001 Single tank system | 1 | |
| 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 |
| 30-99-0010 | U | | 2-1/2" front trash line SS, plumbed 2-1/2", hosewell | 1 | |
| | | | 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 |
| 40-11-5000 | S | | Tank capacity 1000 Imperial Gallons | 1 | MTL |
| 40-12-4500 | S | | Foam cell - 20 Imperial gallon | 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 |
| 40-23-1000 | | | 1" foam level gauge connection | 1 | MTL |
| 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 |
| 40-31-6050 | | | Rear fill not requested | 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 | S | | Rocker switch panel with master warning switch | 1 | MTL |
| 50-11-14AA | U | | Whelen Siren 295HFS2 | 1 | |
| 50-11-1630 | | | Siren speaker,200 watt, in front bumper | 1 | MTL |
| 50-11-2600 | | | Siren to be accessible to driver and officer | 1 | MTL |
| 50-11-3500 | | | Horn ring transfer switch | 1 | MTL |
| 50-11-6100 | S | | Whelen FN60QLED LED light bar NFPA | 1 | MTL |
| 50-11-6610 | | | Rear LED Traffic Advisor warning lights - flush mount | 1 | MTL |
| 50-11-86AA | U | | Whelen L31HRFN LED Rear Beacons (pr) | 1 | |
| 50-12-8520 | S | | Front LED flashers (pr)-Whelen red LED 600 with integral flasher | 1 | MTL |
| 50-12-8610 | S | | Rear LED flashers (pr)-Whelen red LED 600 with integral flasher | 1 | MTL |
| 50-12-8710 | S | | Front side inter lts (pr) - Whelen red LED 600 with integral flasher | 1 | MTL |
| 50-12-8810 | S | | Body side inter lts (pr)-Whelen red LED 600 with integral flasher | 1 | MTL |
| 50-12-8905 | S | > | Add'l body side inter lts (pr)-Whelan red LED 600 with integral flasher | 1 | MTL |
| 50-21-15AA | U | | Unity LED floods (pr) | 1 | |
| 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 | 1 | MTL |
| 50-21-8001 | | | Step lights for body steps - 4" LED | 1 | MTL |
| 50-21-8201 | S | | Step lights for chassis steps - 8 x 12" LED Lumabar H20 | 1 | MTL |
| 50-21-8600 | | | LED clearance lts and reflectors | 1 | MTL |
| 50-21-8800 | | | LED intermediate turn signal/clearance/reflector length >30' | 1 | MTL |
| 50-22-0700 | S | | Whelen 64 LED tail/brake-turn-backup module (pr) | 1 | MTL |
| 50-31-6010 | S | | Scene light boxes (pr) - smooth painted plate | 2 | MTL |

| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|------------|---|----------|---|-----|-----|
| 50-31-6015 | U | | Whelen 9SC0ENZR LED Scene lights (pr) - left side | 1 | |
| 50-31-6016 | U | | Whelen 9SC0ENZR LED Scene lights (pr) - rear facing | 1 | |
| 50-31-6017 | U | | Whelen 9SC0ENZR LED Scene lights (pr) - right side | 1 | |
| 50-31-6560 | | | Ground lighting (LED Lumabar) - 4 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 | 1 | |
| 50-99-0010 | U | | Whelen 600 Super LED green (pair) | 2 | |
| | | | 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 | S | > | Diamondback 19" rear step | 1 | MTL |
| 60-10-6500 | S | | Bolt on extruded aluminum rub rail | 1 | MTL |
| 60-11-0300 | | > | Eront left side compartments full height | 1 | MTL |
| | | | E | | |
| 60-11-0700 | S | > | Right side pump compartment with full height roll up door | 1 | MTL |
| 60-11-0750 | S | > | Front right side compartments full height | 1 | MTL |
| 60-11-1000 | | > | Rear left side compartments full height | 1 | MTL |
| | | | E | | |
| 60-11-1400 | | > | Rear right side compartments full height | 1 | MTL |
| 60-11-2000 | | > | High side compartment (over 18") each | 3 | MTL |
| 60-11-3200 | | > | Full Height Rear compartment | 1 | MTL |
| 60-11-5600 | | | Rollup door - painted job colour - standard height | 3 | MTL |
| 60-11-5620 | S | | Rollup door - painted job colour - full height | 7 | MTL |
| 60-31-4100 | | | Extruded aluminum handrails | 1 | MTL |
| 60-31-5000 | S | | Zico access Ladder at rear of unit | 1 | MTL |
| 60-31-5700 | S | | Pull out step under body (each) | 2 | MTL |
| 60-31-5800 | S | | Diamond back step over rear compartment | 1 | MTL |
| 60-31-6500 | | | Compartment matting-Turtle tile | 1 | MTL |
| 60-31-8000 | | | BA bottle compt (ea)-fender well | 4 | MTL |
| 60-31-8210 | S | > | Sliding vertical tool board - gas strut | 3 | MTL |
| 60-31-8700 | S | > | Sliding tray (ea) - 400 pound capacity with gas strut | 3 | MTL |
| 60-31-8800 | S | > | Sliding tray (ea) - 600 pound capacity | 3 | MTL |
| 60-31-9000 | S | > | Tip down tray - 30 degree, 250 pound capacity | 1 | MTL |
| 60-31-9600 | S | > | Adjustable shelf (ea) | 7 | 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 |
| 60-33-1600 | | | Special paint compartment interior - gray zolatone | 1 | MTL |
| | | | E | | |
| 60-33-2300 | S | | Lettering - as directed by Customer | 1 | MTL |
| 60-33-3300 | S | | Reflective stripe - as directed by Customer | 1 | MTL |
| 60-33-331A | U | | Rear chevron - diamond grade material | 1 | |
| 60-33-3399 | U | | Chevron on front bumper - diamond grade material | 1 | |
| 60-33-3500 | S | | Tarp over hose bed - black | 1 | MTL |
| 60-33-4000 | S | | Tarp over crosslays - black | 1 | MTL |
| 60-40-4500 | | | 6" Hose tray - side mount (ea) | 2 | MTL |
| 60-41-1000 | S | | Provisions for storage for 2 small pike poles | 2 | MTL |
| 60-41-10AA | U | | Storage for three (3) pike poles on the HLAS | 1 | |
| 60-41-9500 | | > | Zico Horizontal Ladder Access system | 1 | MTL |
| 60-41-9510 | | | ZICO HLAS switched at rear above tail light | 1 | MTL |
| 60-80-0100 | S | | Blocking compartment under body (each) | 2 | MTL |
| 60-91-0500 | S | > | Compartment SCBA Storage rack | 1 | MTL |
| | | | E | | |
| | | | INSTRUMENTATION | 1 | MTL |

| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|------------|---|----------|---|-----|-----|
| 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 |
| 70-11-32AA | U | | Vision Mark color coded tags | 1 | |
| 70-11-42AA | U | | Led light above right side suction inlet | 1 | |
| 70-11-5000 | | | Standard cover over rear top of pump house - no storage | 1 | MTL |
| 70-11-5500 | S | | Right side smooth plate pump access panel | 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 | 9 | MTL |
| 70-20-3300 | | | FRC InControl Governor Control | 1 | MTL |
| 70-20-6500 | | | Test gauge panel | 1 | MTL |
| 70-20-7500 | | | Heat exchanger control valve | 1 | MTL |
| 70-21-15AA | U | | WLA300 Foam level gauge on pump panel | 1 | |
| 70-21-35AA | U | | WLA300 Water level gauge Panel and mini in cab | 1 | |
| 70-21-5500 | S | | Panel readout for Battery Conditioner | 1 | MTL |
| 70-99-10AA | U | | Rubber seal around suction and discharge opening on panel | 1 | |
| 71-21-60AA | U | | Prewire for speaker, volume control and mike on panel | 1 | |
| | | | ACCESSORIES | 1 | MTL |
| 80-11-5000 | S | | 6" x 10' lightweight suction hose (ea) | 2 | MTL |
| 80-12-2500 | S | | 6" barrel strainer | 1 | MTL |
| 80-13-1100 | S | | Hose wrenches (triple) with holder | 2 | MTL |
| 80-13-2500 | S | | Pike pole, fibreglass handle - 8' long | 1 | MTL |
| 80-13-2500 | S | | Pike pole, fibreglass handle - 10' long | 1 | MTL |
| 80-13-2510 | S | | Pike pole, fibreglass handle - 6' long | 1 | MTL |
| 80-13-3000 | | | Pike pole bracket | 3 | MTL |
| 80-13-4000 | S | | Axe, pick head, fibreglass handle and bracket | 1 | MTL |
| 80-13-4500 | S | | Axe, flat head, fibreglass handle and bracket | 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 |
| 80-14-8500 | S | | 10' aluminum folding attic ladder FL-10 | 1 | MTL |
| 80-14-9000 | S | | Attic ladder bracket (Zico) | 1 | MTL |
| 80-17-0500 | S | | 20# dry chemical fire extinguisher and mount | 1 | MTL |
| 80-17-1500 | S | | 2-1/2 gallon water extinguisher with mount | 1 | MTL |
| 80-18-0500 | S | | SCBA bracket with strap - compt mount | 8 | MTL |
| 80-18-0700 | S | > | ZICO Quic Index SCBA carousel | 2 | MTL |
| 80-19-0500 | | | Large folding wheel chock - aluminum (ea) not mounted | 2 | MTL |
| 80-19-0600 | | > | Horizontal bracket for folding wheel chock (ea) | 2 | MTL |
| 80-99-0010 | U | | 6" NST barrel strainer mounting plate | 1 | |
| 80-99-0020 | U | | 3" TFT Hurricane manual deck gun supply and install | 1 | |
| 80-99-05AA | U | | Provisions for Customer Extrication equipment | 1 | |
| 80-99-10AA | U | | Mount various Customer supplied components in cab (TIC, radios, etc) | 1 | |
| 80-99-15AA | U | | Mounts for brooms and shovels | 1 | |
| 80-99-20AA | U | | Kochek S54R46 adapter | 1 | |
| 80-99-25AA | U | | First engine service | 1 | |
| 80-99-30AA | U | | Supply and install Bostrom SecureAll SCBA retrofit kits for Freightliner seats | 4 | |