



Shop Order-00-10-31: Unclassified

Carrier Truck Centers Inc.
 O/A Carrier Centers Emergency Vehicles
 6 Edmundson Street
 Brantford, ON N3T 5N3

Lucan Biddulph Fire Department
 Chief Ron DeBrouwer
 270 Main Street
 Lucan, ON N0M 2J0

Exp. Date: 04/04/2016
Quote No: ELUON-0013 **Job/Order No:** 19127
BODY: 00-10-31 Metalfab Tanker - ULC 05/13

05/02/2017

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| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|-------------------|----------|-------------|---|----------|------------|
| | | | == Metalfab Tanker - ULC 05/13 - 0.000 == | 1 | MTL |
| | | | Change Order C | 1 | MTL |
| 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 |
| 10-11-0110 | | | Vehicle data recorder included with chassis | 1 | MTL |
| 10-11-1101 | S | | ULC S515-13 and NFPA 1901-2009 Compliance | 1 | MTL |
| 10-11-1501 | | | ULC Testing not requested | 1 | MTL |
| 10-11-2100 | | | Maximum length not specified | 1 | MTL |
| 10-11-2200 | S | | Maximum height - 9' 06" | 1 | MTL |
| 10-11-2300 | S | | Overall length is 30' or more | 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 - by Carrier | 1 | MTL |
| 10-11-4000 | | | Payment Terms - Chassis Net 10 days, Balance COD | 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 | 1 | MTL |
| 20-11-1500 | | | 2013 Emission chassis modifications | 1 | MTL |
| 20-11-1600 | S | | Chassis Motor Vehicle Inspection - by Carrier | 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 |
| 20-21-1520 | | | 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 |

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|-------------------|----------|-------------|---|----------|------------|
| 20-21-3810 | | | Front mudflaps provided with chassis | 1 | MTL |
| | | | E | | |
| 20-21-4000 | | | Rear mudflaps - Metalfab Logo | 1 | MTL |
| 20-31-0100 | | | Fuel tank or step covers not required | 1 | MTL |
| 20-31-0200 | | | Fuel fill label -Ultra Low Sulfur Diesel only | 1 | MTL |
| 20-31-1900 | | | Chassis cab not painted | 1 | MTL |
| | | | E | | |
| 20-31-4500 | S | | Extend front bumper, gravel shield | 1 | MTL |
| 20-31-7500 | S | | 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 | 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 |
| 20-51-2600 | | | Back up alarm | 1 | MTL |
| 20-51-3400 | | | Protection valve installed for air operated accessories | 1 | MTL |
| 20-51-6200 | S | > | 120 volt 20 A shore line connection in chassis cab | 1 | MTL |
| 20-51-6600 | | | Kussmaul Pump Plus conditioner/compressor | 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 with chassis | 1 | MTL |
| 20-52-3500 | | > | Chassis steering wheel lined up by Metalfab | 1 | MTL |
| | | | E | | |
| 20-52-4000 | | | 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 |
| 30-20-0501 | | | Valves and controls - compartment mounted panel | 1 | MTL |
| | | | E | | |
| 30-20-1001 | | | Valve brand not specified | 1 | MTL |
| | | | E | | |
| 30-20-1630 | | | Piping galvanized 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 - CSA | 1 | MTL |
| 30-20-2000 | | | Piping hydrostatic test | 1 | MTL |
| 30-20-2505 | | | Anodes in suction and discharge piping not requested | 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 |
| 30-31-35AA | U | | Suction - 5" not gated Left side non manifold pump 5" header | 1 | |
| 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 |
| 30-44-10AA | U | | 2" galv piping to front for an electric Monitor | 1 | |
| 30-44-8500 | S | > | Hose reel, 1" X 200', nozzle, electric - mounted top front | 2 | 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 |
| | | | E | | |
| 30-51-5000 | | | Relief V/V Hale P25 - PTO pump only up 420/500 | 1 | MTL |
| 30-51-7000 | | | Suction side relief V/V, manifold pump | 1 | MTL |
| 30-51-77AA | U | | Trident air primer - single location, 2 barrel, remote mount | 1 | |
| 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 |
| | | | E | | |
| | | | WATER AND FOAM TANKS | 1 | MTL |

| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|------------|---|----------|---|-----|-----|
| 40-11-2100 | S | | Polypropylene Tank water tank (Imperial gallons) | 1 | MTL |
| 40-11-2200 | | | Water tank capacity certification (tank manufacturer) | 1 | MTL |
| 40-11-7000 | S | | Tank capacity 1800 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 |
| 40-23-1050 | | | 4" Fireman's Friend connection | 1 | MTL |
| 40-23-1060 | | | 10" Newton dump connection | 1 | MTL |
| 40-30-0400 | | | 3" plug in sump box | 1 | MTL |
| 40-30-1200 | S | | Water Fill Box middle | 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 |
| 40-31-50AA | U | | Stainless Steel Swivel Dump chute (Rotating w/lock) | 1 | |
| 40-31-5800 | | | Support for rotating dump chute if necessary | 1 | MTL |
| 40-31-9000 | | | 4" Storz rear fill, Fireman's Friend | 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 | S | | Federal PA300 200 watt siren | 1 | MTL |
| 50-11-1620 | | | Siren speaker, 100 watt, in front bumper | 2 | MTL |
| 50-11-2600 | | | Siren to be accessible to driver and officer | 1 | MTL |
| 50-11-5809 | S | > | Federal LPX53DS-NFPA Discrete LED light bar | 1 | MTL |
| 50-11-7600 | | | Rear LED Signal Master warning lights | 1 | MTL |
| 50-11-9010 | | | Rear beacons-Federal Micro Escape LED (pr) - both red | 1 | MTL |
| 50-12-5020 | | | Front 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 |
| 50-12-5410 | | > | Additional body side inter lts (pr)-red LED Federal QL64XF-R | 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 | 1 | MTL |
| 50-21-82AA | U | | 12" Lumabar LED step lights for two door chassis | 1 | |
| 50-21-83AA | U | | LED Luma bars as required for steps on back of body | 1 | |
| 50-21-8600 | | | LED clearance lts and reflectors | 1 | MTL |
| 50-21-8800 | S | | LED intermediate turn signal/clearance/reflector | 1 | MTL |
| 50-22-0800 | | | Federal 4 QuadraFlare LED tail/brake-turn-backup-warning module (pr) | 1 | MTL |
| 50-31-6006 | U | < | Scene Lights (pr) QL97 LED | 2 | |
| | | | Locations as follows: | | |
| | | | One left side centered high on body side | | |
| | | | One right side centered high on body side | | |
| | | | One each side at rear inboard of top folding step and under directional light | | |
| | | | All will be switched by rocker switches (3) located in the cab console 20-31-7500 | | |
| | | | The rear facing scene lights will also be wired to come on when the transmission is placed in reverse gear. | | |
| 50-31-6500 | | | Ground lighting (halogen) - 2 door chassis | 1 | MTL |
| 50-31-6520 | | | Ground lighting (halogen) - side mount body | 1 | MTL |
| 50-31-65AA | U | | Price Adjustment | 1 | |
| 50-99-0010 | U | | Install customer supplied antenna base | 1 | |
| | | | BODY | 1 | MTL |
| 60-10-1400 | | | Single axle extruded aluminum body | 1 | MTL |
| 60-10-4100 | | | No "beavertail" rear step supports | 1 | MTL |

| PART NO | S | STN CODE | DESCRIPTION | QTY | ID |
|-------------------|---|----------|---|-----|------------|
| 60-10-4600 | | | Painted fender surround | 1 | MTL |
| 60-10-4700 | | | Integral aluminum fender trim | 1 | MTL |
| 60-10-5430 | | > | Diamondback 19" rear step | 1 | MTL |
| 60-10-6500 | | | Bolt on extruded aluminum 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 |
| 60-11-0550 | | > | Second front right side compartment to top of wheel well | 1 | MTL |
| 60-11-0600 | | > | Front right side compartments intermediate height | 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 |
| 60-11-3100 | | | No rear compartment | 1 | MTL |
| 60-11-5600 | | | Rollup door - painted job colour - standard height | 4 | MTL |
| 60-11-5610 | | | Rollup door - painted job colour - intermediate height | 2 | MTL |
| 60-31-4100 | | | Extruded aluminum handrails | 1 | MTL |
| 60-31-5500 | | | Steps at rear of body (folding) | 1 | MTL |
| 60-31-6500 | | | Compartment matting-Turtle tile | 1 | MTL |
| 60-31-8800 | S | > | Sliding tray (ea) - 600 pound capacity - 100% extension | 2 | MTL |
| 60-31-9600 | | > | Adjustable shelf (ea) | 4 | MTL |
| 60-32-3500 | S | | One adjustable hose divider | 1 | MTL |
| 60-32-7500 | | | Hose bed - aluminum | 1 | MTL |
| 60-33-0100 | | | Paint exterior - Imron Elite and clearcoat | 1 | MTL |
| | | | E | | |
| 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 | | | Lettering - 80 letters up to 3" tall - 3 colour | 1 | MTL |
| 60-33-3200 | S | | Reflective stripe - 1" - 4" -1" white | 1 | MTL |
| 60-33-3310 | S | | Reflective stripe - yellow and silver chevron at rear | 1 | MTL |
| 60-33-3500 | S | | Tarp over hose bed - yellow | 1 | MTL |
| 60-33-3600 | | | Reflective stripe - inside entry doors | 1 | MTL |
| 60-33-4700 | | | No crosslay preconnects on vehicle | 1 | MTL |
| | | | E | | |
| 60-40-1000 | S | | 2-1/2" Hose tray - top mount (ea) | 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 | | | Painted plate on exterior of Zico PTS | 1 | MTL |
| 60-41-7100 | S | | Tread plate on body behind porta tank rack | 1 | MTL |
| 60-41-8500 | | | Ladder rack side - 2 sect and roof | 1 | MTL |
| 60-99-05AA | U | | Hose tray for Hi-Vol hose | 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 |
| 70-11-3200 | | | Colour coded tags | 1 | MTL |
| 70-11-5500 | S | | Right side pump access door | 1 | MTL |
| 70-11-7500 | | | Heat pan-aluminum | 1 | MTL |
| 70-11-78AA | U | | Rubber seals around opening for piping/valves on pump panels | 1 | |
| 70-11-8100 | | | Heater in pump compartment not requested | 1 | MTL |
| 70-20-0500 | | | 4-1/2" compound gauge - dual face 0-600 | 2 | MTL |
| 70-20-1500 | | | 2-1/2" pressure gauge - dual face 0-600 | 5 | MTL |
| 70-20-3000 | | | Relief valve control | 1 | MTL |
| 70-20-6000 | | | Vernier throttle - electronic engine | 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 |
| 70-21-0100 | | | Class One ENFO III engine monitor | 1 | MTL |
| 70-21-2100 | | > | PTO Hourmeter | 1 | MTL |
| 70-21-35AA | U | | FRC water level gauge on panel, rear and in cab | 1 | |
| 70-21-5500 | | | Panel readout for Battery Conditioner | 1 | MTL |

