



## Tread 4216 Bulk Master Scope Proposal

*This document is intended to give a high level view of WHAT the end result of the project is envisaged to look like.*

<b>Project Title:</b>	Tread 4216 Bulk Master
<b>Business Owner:*</b>	tbd
<b>Project Manager:*</b>	Brent Blake
<b>Stakeholders:</b>	Jay Harvey
<b>Project Description:</b>	Tread Unibody 4216 MMU for operation in Canada.
<b>Parameters:</b> (Comment on Capacity/throughput, logistics, raw material supplies, technology, operating hours etc)	<p>Chassis will be Western Star 4900SA 6x4 with an approved technical (WS) GVWR at 87,000 lbs. Maximum GVWR is determined by the "weakest link" based on axles, suspension, tires, brakes, and frametails/WB. Wheel Base will be 265", to be later verified by detailed weight distribution analysis.</p> <p>Process Body will be a Tread 4216 Unibody of DOT 412 specification emulsion Tanks with DOT 406 process fuel tanks. Auger system will sized for high rate augered blends. Hose reel will be the low profile hose reel now offered by Tread. PC Pump will be supplied by Orica to Tread for installation and will be a 2NES60A Netszch or equivalent.</p> <p>This MMU will be set up for off-road mining applications. It will be capable of pumping / augering the full gamut of from Straight Emulsion to ANFO/Heavy ANFO.</p>
<b>Constraints:</b> (Comment on e.g. statutory or license limits, time constraints, land issues etc)	Chassis delivery can take 4-5 months.
<b>Details:</b> (Spell out what equipment is already on site, what is to be added, whether new or from surplus, what utilities are needed, what roads, buildings and other infrastructure etc)	<ul style="list-style-type: none"> <li>- 3<sup>rd</sup> party inspections and reviews are included in the scope of the project and are estimated at a cost of \$5K.</li> <li>- &lt;38' bumper to bumper length will be maintained</li> <li>- Tread's "Arctic Package" is included</li> <li>- Provision made for hopper cleanout, pressure relief and hose cleanout (with water)</li> <li>- Auxiliary hose storage reel for 1" hose with water ring provision provided</li> <li>- Water system designed to allow for high pressure hose cleanout</li> <li>- The normal operational delivery rate of pumpable product will be 350-400 kg/min.</li> </ul>
<b>Other:</b> (Any other relevant information)	Estimated off road Delivery capacity of ~19.5 tonnes of 70/30 blended product.

### Notes

1. **Business Owner** - is accountable for return on investment
2. **Project Manager** - is accountable to deliver the agreed scope within approved estimate