

## TRACKED CONVEYOR VS SHOVEL LOADER COMPARISON



|                                       | LOADER        | TR60 TRACKED Conveyor |
|---------------------------------------|---------------|-----------------------|
| <b>Capital Costs (NZD)</b>            |               |                       |
| Purchase Price (Stg) - *new*          | \$200,000.00  | <b>\$102,000.00</b>   |
| % time utilised Stockpile             | 50%           | 100%                  |
| Stockpiling Capital Cost              | \$100,000.00  | \$102,000.00          |
| ROI Years                             | 5             | 5                     |
| Annual Capital Cost (Stg)             | \$20,000.00   | \$20,400.00           |
| <b>Operational Costs</b>              |               |                       |
| Hours used per week Stockpiling       | 40            | 40                    |
| Weeks Used per Year Stockpiling       | 40            | 40                    |
| Annual Hours Stockpiling              | 1920          | 1920                  |
| <b>Labour Costs</b>                   |               |                       |
| Annual Labour Costs for Stockpiling   | \$40,000.00   | \$0.00                |
| <b>Fuel Costs</b>                     |               |                       |
| Fuel Consumption / Hr (ltr)           | 20            | 5                     |
| Annual Fuel Cost                      | \$49,920.00   | \$12,480.00           |
| <b>Maintenance Costs</b>              |               |                       |
| Average Service Intervals (Hrs)       | 500           | 1000                  |
| Average Maintenance Cost              | \$1,200.00    | \$800.00              |
| Service Cost / Hr                     | \$2.40        | \$0.80                |
| Annual Cost attributed to stockpiling | \$4,608.00    | \$1,536.00            |
| <b>Summary</b>                        |               |                       |
| <b>Total Annual Stockpiling Cost</b>  | \$114,528.00  | \$34,416.00           |
| <b>Annual Saving per year</b>         |               | <b>\$80,112.00</b>    |
| <b>Total Stockpiling Cost / Hr</b>    | \$59.65       | \$17.93               |
| Average Output / Hr (Tonne)           | 250           | 250                   |
| <b>Stockpiling Cost per Tonne</b>     | <b>\$0.24</b> | <b>\$0.07</b>         |
| <b>Total Annual Saving</b>            |               |                       |
|                                       |               | <b>\$80,112.00</b>    |
| <b>Payback Period (Weeks)</b>         |               |                       |
|                                       |               | <b>61.1</b>           |

\*\* Costs based on £GBP and converted to NZD. Capital costs of Loader may differ to that shown.