 <p>A6, 10 Compton Road, Underwood Q 4119 Tel: (07) 3123 1021 Fax: (07) 3102 9305 info@ediaust.com.au</p>	Title:	Document ID	
	HAZARD ANALYSIS AND RISK ASSESSMENT		158.D03
	Client:	MONITOR INDUSTRIES	Revision: A
Plant:	TRACK CARRIER TC1	Date: 20/04/2021	
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APPLICABLE PLANT

MANUFACTURER	MODEL	RATED CAPACITY
HOEFLON	TC1	1200 kg

Introduction


This document is a summary of the Risk assessment prepared for MONITOR INDUSTRIES as part of hazard identification and risk assessment carried out by Engineering Design Innovations Pty Ltd on TRACK CARRIER TC1. Hazards and control measures shown in the table must be actioned by plant owners and operators in order to minimise / eliminate the hazards. The Operator's Manual contains a list other residual risks associated with operation of this plant.

Hazards and Control Measures.


Plant manufacturer and MONITOR INDUSTRIES have implemented control measures to reduce / minimise risk associated with hazards identified by Engineering Design Innovations Pty Ltd to operators, maintenance personnel and bystanders. The hazards were identified as part of the design verification process followed to achieve Australian design registration of the plants.

The following table contains residual hazards and applicable control measures to be implemented by plant owners and operators, as part the ongoing process of risk management.

Description of Hazard	Further Recommended Control Measure
<p>OPERATOR COMPETENCY</p> <p>Persons injured due to:</p> <ul style="list-style-type: none"> • Operator not following proper operating procedures; • Unfit for work (illness, drug use, distracted); • Plant misuse (e.g.: riding on platform, overloading, loading extremely long and/or tall objects). 	<ul style="list-style-type: none"> ▪ Train operators on safe use of the plant. Operator training should include at least the following: <ul style="list-style-type: none"> ○ pre-operation inspections; ○ Safe operation of plant; ○ Regular maintenance tasks; ○ Understanding of plant operation; ○ Capabilities and limitations; ○ Emergency procedures; ▪ Do not operate the plant unless proper training has been received. ▪ Do not operate the plant when distracted, ill, excessively fatigued, or under the influence of drugs or alcohol. ▪ Do not use the plant for any other purpose than its intended use.

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Description of Hazard	Further Recommended Control Measure
PLANT LIMITATIONS Persons injured due to: <ul style="list-style-type: none"> • Steep ground; • Plant overload causing overturning; • Plant overload causing structural failure; 	<ul style="list-style-type: none"> ▪ Do not drive on steep ground which exceeds plant limitations; ▪ Learn and understand plant limitations; ▪ Do not exceed plant capacity.
ENVIRONMENT Persons injured due to: <ul style="list-style-type: none"> • Poor lighting, dust, fog; • Contaminants (fumes, biohazards, noise); • Slippery ground (ice, water, oil, excessive ground inclination); • Excessive wind; • Lightning; • Explosives. 	<ul style="list-style-type: none"> ▪ Do not operate the plant under poor visibility conditions; ▪ Do not work in contaminated sites; ▪ Wear appropriate PPE; ▪ Assess ground conditions prior to operating plant, pay attention to surface condition and gradient; ▪ Do not operate the carrier outdoors under windy conditions while carrying large objects; ▪ Do not operate the plant outdoors during a thunderstorm; ▪ Do not operate the carrier near explosives.
JOB SITE Persons injured due to: <ul style="list-style-type: none"> • Plants operating nearby; • Other jobsite hazards. 	<ul style="list-style-type: none"> ▪ Beware of other plants, such as cranes, telehandlers and forklifts, being operated nearby; ▪ Perform hazard and risk analysis of the job site before operating the plant; ▪ Follow a safe work method statement (SWMS) when performing high risk work activities.
OCCUPATIONAL Persons injured due to: <ul style="list-style-type: none"> • Loading/unloading plant • Load movement/unrestrained; • Carrier used in tandem with another plant; • Transporting tall, long, wide loads • Modifications made to the plant after completion of this risk assessment; • Unexpected plant movement; • Plant modifications. 	<ul style="list-style-type: none"> ▪ Wear gloves when handling sharp objects or when setting up load-holding bars; ▪ Always secure the load to the carrier with appropriate tie-down straps before operating; ▪ Ensure load-holding bars are fastened in place when in use; ▪ Do not release turntable lock when the carrier is on an incline; ▪ Develop safe work method statement when performing tandem operations; ▪ Check load stability before driving, ensuring load centre of gravity stays within platform area; ▪ Stay clear of the plant and load; ▪ Ensure any modifications made are inspected, assessed and approved by a competent person.

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Description of Hazard	Further Recommended Control Measure
<p>PLANT FAILURE Persons injured due to:</p> <ul style="list-style-type: none"> • Structural failure; • Faulty/out of order, or poorly maintained plant; • Inadvertent operation. 	<ul style="list-style-type: none"> ▪ Do not overload the plant; ▪ Regularly inspect the plant as per maintenance schedule to ensure integrity of structural components and controls; ▪ Do not use an 'out-of-order' plant; ▪ Do not leave remote control unattended. Always depress the emergency stop when the plant is not in operation.
<p>EMERGENCY Persons injured due to:</p> <ul style="list-style-type: none"> • Operator working solo. 	<ul style="list-style-type: none"> ▪ Do not work alone.
<p>ELECTRICAL Persons could be injured due to:</p> <ul style="list-style-type: none"> • Mains 230 VAC extension lead connected to appliance inlet; • Plant radio frequency emissions; • Working in the vicinity of low and high voltage power lines. 	<ul style="list-style-type: none"> ▪ Do not operate the plant with electrical lead connected; ▪ Ensure extension leads have been tested and tagged (as per requirements of AS 3000). ▪ Do not operate a machine with an expired/missing electrical test tag.; ▪ Avoid placing remote controls close to medical implants such as hearing aids and pacemakers; ▪ Make good contact with handrails while exiting the work platform; ▪ Maintain safe distance from overhead power lines.