

AXIS

REHABILITATION

at work

TASK ANALYSIS REPORT

Organisation: PUMA Energy

Work Area: Eagle Farm Terminal

Job Title: Rigid Body Truck Driver

General Description: Truck driver is responsible for

Work activities/sub-tasks may include (see pg 3):

- Pre-start check
- Collect fuel
- Driving
- Pump fuel at destinations

Employees:	Approximately 40 drivers across metro and regional areas
Working Hours:	4days followed by 4 nights followed by 4 days off
Work Environment:	Filtered sunlight through cab, direct sunlight. Cab climate controlled.
PPE:	Long pants, long-sleeve shirt (hi-visibility), safety boots, hard hat, sunglasses, gloves, sunscreen.
Adaptive devices:	

The following keys were used to undertake this task analysis.

Physical Demands:

Term	Definition -Strength rating represents the strength requirements which are considered to be important for average, successful work performance
Sedentary work	Manual handling <4.5kg of force occasionally and/or <1kg frequently to lift, carry, push, pull, or otherwise move objects, including the human body. Sedentary work involves sitting most of the time, but may involve walking or standing for brief periods of time, occasionally.
Light work	Manual handling <9kg of force occasionally, and/or <4.5kg frequently, and/or <1kg constantly to move objects. Physical demand requirements are in excess of those for Sedentary Work. Even though the weight lifted may be only a negligible amount, a job should be rated Light Work: (1) when it requires walking or standing to a significant degree; or (2) when it requires sitting most of the time but entails pushing and/or pulling of arm or leg controls; and/or (3) when the job requires working at a production rate pace entailing the constant pushing and/or pulling of materials even though the weight of those materials is negligible.
Medium work	Manual handling 9-22kg of force occasionally, and/or 4.5-9kg frequently, and/or >4.5kg constantly to move objects. Physical Demand requirements are in excess of those for Light Work.
Heavy work	Manual handling 22-44kg of force occasionally, and/or 9-22kg of force frequently, and/or 4.5-9kg constantly to move objects. Physical Demand requirements are in excess of those for Medium Work.
Very Heavy work	Exerting >44kg of force occasionally, and/or >22kg of force frequently, and/or >9kg of force constantly to move objects. Physical Demand requirements are in excess of those for Heavy Work.

Frequency Classifications:

	Occasional	Frequent	Constant	Definitions #
% time	1-33	34-66	67-100	Sustained > 30 secs at a time
Reps per day	1-100	101-500	500+	Long duration > 30 mins at a time or >2hrs in shift
Reps per hour	0-12	12-63	>63	Repetition > 2 per minute
Reps per minute	1 every 5-15	1 every 1-5	1 or more	Exposure – time spent completing task over whole shift




Summary:



	Sedentary	Sedentary - Light	Light	Light - Medium	Medium	Medium - Heavy	Heavy	Very Heavy
Occasional (1-33%)	4.5kgs	7kgs	9kgs	16kgs	23kgs	34kgs	45.5kgs	Over 45.5kgs
Frequent (34-66%)	Negligible	3.5kgs	4.5kgs	7kgs	11.5kgs	16kgs	23kgs	Over 23kgs
Constant (67-100%)	-	-	Neg	2kgs	4.5kgs	7kgs	9kgs	Over 9kgs
	Sit	Sit/stand	Stand/walk	Stand/walk	Stand/walk	Stand/walk	Stand/walk	Stand/walk

References: U.S Department of Labour (1991) Dictionary of Occupational Titles, Fourth Edition

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Physical demands of job and % of work time allocated	Never 0%	Occasional 1- 33%	Frequent 34- 66%	Constant 67-100%	Comments
Whole body movement					
Sitting			✓		Driving
Standing			✓		Waiting for fuel to pump
Walking		✓			
Kneel/squatting		✓			Fuel drop to ground level
Lower back movement					
Bending forwards		✓			Fuel drop to ground level
Bending backwards	✓				
Twisting	✓				
Stooping		✓			Fuel drop to ground level
Neck movement					
Flexion - looking down		✓			Driving in cab
Extension - looking up		✓			Climbing ladder
Rotation		✓			Shoulder checking
Upper limb movement					
Finger/thumb Manipulation		✓			
Gripping		✓			Hoses/loading arms
Forward Reach		✓			Loading arm use
Overhead Reach		✓			Hose reel fuel pumping
Side reach	✓				
Wrist side bend	✓				
Wrist extension	✓				
Other demands					
Steps/stairs			✓		Vertical ladder use required
Uneven ground			✓		At destination sites – variable
Balancing			✓		Stairs, ladders
Vibration – WB or UL	✓				
Weights and forces					
Floor (kg)					
30cm (kg)					
Waist (kg)					
Shoulder (kg)					
Above shoulder (kg)					
Carrying		5kg			Hoses
Pushing (kg force)		25kg			Loading arm latches
Pulling (kg force)					

Job Title: Rigid Body Truck Driver	
<p>Task 1: Pre-start check Total time/shift: up to 5mins Task duration: 5mins</p> 	<p>Physical demand level – Light work</p> <ul style="list-style-type: none"> • Walk around truck performing visual check • Climb ladder at rear of truck and check hatches are closed • Lift front panel and check levels • Pre-start check differs on various trucks – may have to lift cab to perform pre-start requiring heavy work to lift
<p>Task 2: Driving Total time/shift: up to 4hrs Task duration: up to 4hrs at a time</p> 	<p>Physical demand level – Sedentary work</p> <ul style="list-style-type: none"> • Driving from terminal to destination sites • Driving length of time variable from 20 minutes to 4 hours • Regional drivers may drive up to 5 hours before taking break
<p>Task 3: Pumping fuel via hose reel Total time/shift: 4hrs Task duration: 45minutes</p> 	<p>Physical demand level – Light work</p> <ul style="list-style-type: none"> • Variable dependant on site tank • Hose pulled out manually from reel • Access tank via stairs or ladder • Check dip stick • Attach pump via attachments (attachments stored in box requiring forward bend to access) • Hose reel automatically rewinds

<p>Task 4: Pumping fuel via drop Total time/shift: up to 4hrs Task duration: 45minutes</p>	<p>Physical demand level – Light work</p>
	<ul style="list-style-type: none"> • Check dip stick – kneel/squat to ground • Carry flexible hose and attach to truck and fuel deposit • Attachments stored in box requiring forward bend to access • Hose must be lifted to shoulder level to ensure that hose is empty prior to removing or spill will occur
<p>Task 5: Fuel collection Total time/shift: up to 2 hours Task duration: 30minutes at a time</p>	<p>Physical demand level – Medium work</p>
	<ul style="list-style-type: none"> • Loading arm attached to truck – requires push force down • Latch to lock into place requires 25kg of initial force to lock into place • Receiving parts at various heights – requiring forward bend <p><i>Release of handle ?</i></p>
<p>Task 6: Cleaning spills Total time/shift: variable Task duration: 20mins at a time</p>	<p>Physical demand level – Light work</p>
	<ul style="list-style-type: none"> • Use of absorbent pads and noodle to clean up spill • Requires bending/squatting to ground to pick up absorbent material • Not required as a regular activity
<p>Task 6: Regional specific jobs Total time/shift: variable Task duration: 40mins at a time</p>	<p>Physical demand level – Heavy work</p>
	<ul style="list-style-type: none"> • In regional areas drivers will change/repair tyres in event of flat tyre • Requires insertion of manual jack, followed by using tool to undo nuts, lift wheel off and replace with spare, and tighten nuts to maximum level possible

This task analysis was prepared for PUMA Energy on 18.04.2015. This data may vary depending on production rates, changes in design or work organisation and staffing levels. This document was prepared by Samuel Hutchins of Axis Rehabilitation *at work* and reviewed by PUMA Energy prior to publication.

U.S Department of Labour (1991) Dictionary of Occupational Titles, Fourth Edition Appendix C, Components of the definition trailer, section IV. Physical Demands – Strength Rating.

