


Multi Combination Truck Driver	Location: Darwin	PUMA/Direct Haul
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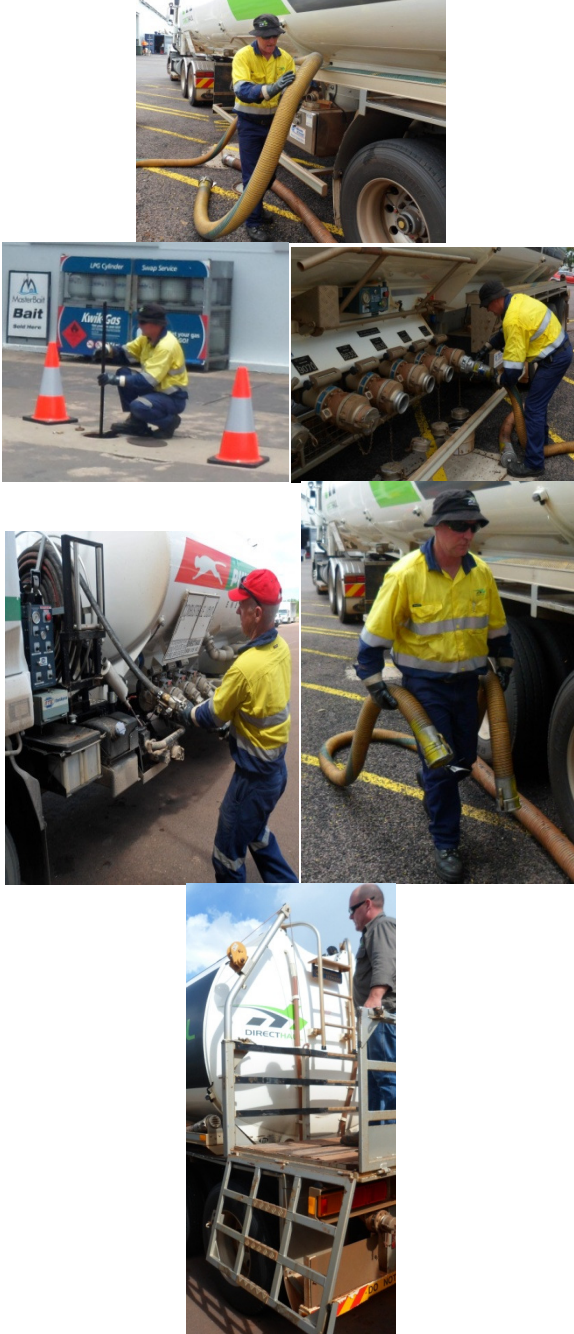
Description: Long haul driver with trips out of town from 1-5 days with 1-10 fuel drop destinations. Driver sleeps in air conditioned cab with refrigerator for food storage. Driver drives to fuel destination and unloads fuel by pump or gravity feed, hose reels or winching fuel drums. Driver checks fuel tank levels pre/post fill with manual dipping (ground to ladder climb to above ground tanks) or sensors (button push).

PPE: Cotton high visibility shirt, cotton long pants, steel capped boots, hard hat and safety goggles for loading fuel, steel capped boots, gloves, sun protection


Roster: Variable *10 days on/4 off *11 days on 3 off *12 days on 2 off

Environment / Health: Exposure to weather (heat/storms/wind/rain), chemical exposure, proximity to moving vehicles on some locations when dipping fuel tanks, fatigue with driving long distance, traffic.

Task:	Photo:
<p>Pre Start Vehicle Inspection: Daily, driver checks truck fluid levels (forward reaching) and performs walk around visual vehicle inspection. To access under the bonnet, the driver uses a pinch bar to lever bolts securing bull bar and removes a central pin, manually supporting and lowering a pivoting bull bar from vertical to horizontal position. Straps are pulled on the side of the cab to release bonnet and bonnet is pushed from chest height to overhead (awkward load). To lower the bonnet, the weight is supported to lower back into position. The bull bar is manually lifted and held in position while reaching to pick up and replace bolts. Driver must also visually inspect the barrel from the top accessed by a ladder. Some trucks have a barrel rack that needs to be climbed over to access the ladder. Essential task.</p> <p>Mack Trident: 30 kg bull bar/36 kg bonnet Kenworth 909: Over 45 kg bull bar/40 kg bonnet</p>	
<p>Loading Fuel: Driver drives truck from site to loading area (~ 20 min drive). Driver may have to queue for fuel bay. Driver removes API caps knee to thigh height and secures overhead pivoting hose. Driver empties residual fuel into bucket (max 11 kg) and carries/pours at waist height. Driver steps up one step to computer entry station and must visually monitor fuel transfer. Task takes 20 min per trailer. Truck will have multiple barrels to fill. Driver must move truck forward to fill each barrel. Essential task.</p>	<p>Unable to take pictures at this site.</p>

Task:	Photo:
<p>Unloading Fuel: Driver sets up perimeter cones (2kg) and sign (<5 kg) stored from waist to chest height depending on vehicle. Driver checks fluid levels by dipping tanks manually removing cover (up to 8 kg on ground), or climbing to dip above ground storage containers. Stand pipe (6 kg) attached for gravity feeds below ground with hoses connected waist to ground height by latches. Hose up to 18 kg carried around body from chest height tray. Hoses may have residual fuel post pump up to ~11 L (total 33 kg) Driver may remove multiple hoses to attach. Driver may have to climb stairs to access hose connection point. Driver may walk up to 200 m over uneven ground to complete paperwork in admin site areas. Drums are removed by forklift by site workers or winch system accessed on rear of truck to lower barrels. (see picture) Hose reel may be used on site to fuel equipment. Driver pulls hose from reel with automatic button push to re feed hose onto reel. Driver will often stand and push buttons to start fuel while the site operator will pull the hose from the reel to the fuel entry. Essential task.</p>	
<p>Driving: Cab access is with 3 points of contact via rail and 3 vertical steps 43 cm/50 cm/47 cm. Driver operates from fully adjustable suspension seat from air-conditioned cab. Occasional driving on unpaved roads. Essential task.</p>	

Task:	Photo:
<p>Field Breakdown: Driver may perform tyre changes, filter changes, repair lights, replace belts in the field. Awkward positions and manual work to manoeuvre components in place/removing bolts and securing. Forward bending to roll tyre to location and manual lift to pivot tyre onto storage platform. Forward bend to remove plates/bolts to secure tyre. Essential task. Variable frequency.</p>	
<p>Sleeping bunk access: Mack trucks are wider enabling floor access beside the refrigerator between the seats. Kenworth vehicle drivers must step over the refrigerator (awkward) manoeuvring between/around gear sticks and stepping into a lower floor level into bunk area. Drivers have option to remove the centre seat refrigerator and use a cooler bag. Second refrigerator is unable to be accessed from the driver's seat. Essential task.</p>	
<p>Washing Trucks: Drivers must clean trucks in the wash bay. Driver uses soap and water pressure trigger gun to spray truck. Driver scrubs sides with broom with overhead barrel access via ladder maintaining 3 points of contact. Usually, a second yard hand assists with washing the truck (20 min/2 person job) or 60 min 1 person job. Performed weekly. Essential task.</p>	

Task:	Photo:
<p>Hooking/Unhooking Trailers: ~15 min to hook or unhook each trailer. Performed 1-8 x week in the field. Forward reach to twist off taps. Driver must ascend 3 vertical steps to access trailer centre and detach hoses at ground height. Standing beside trailer, driver cranks at waist height to lower feet to ground (forceful push/pull). Driver forcefully pulls handle forward reaching under barrel. Driver must ascend 3 vertical steps with bar to access cab of truck to drive forward while checking mirrors. Reverse performed to attach trailer with addition of visually checking handle/pin has clipped into place with torch and sustained squat under barrel. Essential task.</p>	

Physical Demands

Job: Multi Combination Truck Driver

Item	Other	Occasional	Frequent	Constant
Floor-Bench	Awkward load	45 kg		
Bench - Bench	Awkward load	33 kg		
Bench -Shoulder	Forceful pull	40 kg		
Bench - Above Shoulder	Forceful pull	40 kg		
Bilateral carry	Awkward load	33 kg		
Single Arm Carry	Awkward load	17 kg		
Sitting -supported				x
Sitting - unsupported		x		
Walking -level /uneven ground		x		
Ladder			x	
Kneeling			x	
Balancing			x	
Squatting			x	
Stairs		x		
Neck:				
Rotation			x	
Forward Bend		x		
Bend Backward			x	
Back:				
Forward Bend				x
Side Bend			x	
Rotation			x	
Bend Backward			x	
Arms:				
Forward Reach				x
Side Reach			x	
Overhead Reach			x	
Reach Behind		x		
Hand Manipulation				x
Wrist/Hands:				
Bend Down			x	
Bend Up			x	
Bend toward thumb/little finger			x	
Forearm Rotation			x	
Grip				x

Frequency Classifications				
	% Task Time	Reps Per Day	Reps Per Hour	Reps Per Minute
N - Never	-	-	-	-
O - Occasionally	1-33	1-100	1-12	1 every 5-15
F - Frequently	34-66	101-500	12-63	1 every 1-5
C - Continuous	67-100	500+	>63	1 or more