

Kennecott Utah Copper

Standard work instruction

Haul Truck Operator Pre-Inspection for CAT 794AC Haul Truck

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File name:	Operator Pre-Inspection	Task #:	N/A
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Site name:	Mine	Department:	Operations

Job description

The purpose of this Standard Work Procedure is to improve Safety and Reduce Hazards By Improving Efficiency and Standardizing the Haul Truck Pre-Inspection. This will raise Haul truck Utilization and reduce amount of un needed downs in the field

Prep - work

Tools Required

- Isolation Lock and Tag
- Personal Isolation Lock
- Lockout Hasp

PPE Required

- Hard Hat
- Safety Glasses
- Steel Toe Boots / Cleats when required
- Gloves

HSE hazards

All HSE hazards are analysed in a risk assessment, and the operational controls are identified in the appropriate work step.

Kennecott Risk Analysis Tool (KRAT):	RA 9098
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Work instructions

Step	Work Steps	Visuals
1	<p>Inspect the work area</p> <p>Ensure that the truck is positioned properly for the inspection to be done. Verify that the truck is not running. Make sure there isn't anybody on the truck or in the cab and confirm that wheel chocks are in the proper places against the tire or properly parked in a V ditch.</p>	
2	<p>HAUL TRUCK ISOLATION / DO NOT turn off the disconnect switch until the indicator light has turned off so that DEF system has purged the system once off, Actuate the starter isolation switch and place hasp, locks and Tags.</p>	 <p>Located on the right front of truck</p> <p>Amber Light</p>
2.1	Install green Isolation Lock and hasp	
2.2	Ensure Park brake set and wheel lock off	
2.3	Honk horn for try step and inspection	
2.4	Try Start / turn on all lights	
2.5	Install Brass Lock onto hasp	



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tip or trick

Step	Work Steps	Visuals
3	Left Front Truck Inspection	
3.1	Left front egress ladder and platform	
3.2	Inspect steer pin and retainer	
3.3	Inspect suspension bolts and frame	
3.4	Inspect suspension	
3.5	Fire suppression nozzles clear of debris	
3.6	# 1 tire inspection	
4	Inspect Left Middle section	
4.1	Inspect steer pins and retainers	
4.2	Inspect Accumulator/ Lines hydraulic leaks	
4.3	Left Side Back Upside Light	



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tip or trick

Step	Work Steps	Visuals
5	Inspect Rear of Truck	
5.1	3&4 Tires and Lug Nuts	
5.2	Check to see if oil is in the doghouse	
5.3	Brake and reverse lights	
5.4	5&6 Tires and Lug Nuts	
6	Inspect Right Middle section	
6.1	Fluid Leaks (Fuel / DEF)	
6.2	hydraulic leaks	
6.3	Inspect steer pins and retainers	
6.4	Right side back upside light	



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tip or trick

Step	Work Steps	Visuals
7	Inspect Right Front	
7.1	#2 Tire and Lug Nuts	
7.2	Inspect steer pins and retainers	
7.3	Inspect suspension bolts and frame	
7.4	Fire suppression nozzles clear of debris	
7.5	Check engine compartment for leaks	
7.6	Right side Emergency Egress ladder and platform	
8	Front Inspection	
8.1	Inspect Headlights	
8.2	Inspect AFEX Manual Punch bottle	
8.3	Remove Locks and Tags	
8.4	Pick up Wheel Chock and put onto keeper	



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tip or trick

Step	Work Steps	Visuals
9	Deck Inspection	
9.1	Handrails and Gates	
9.2	Inspect Canopy for cracks	
9.3	Grid Box clear of Debris	
9.4	Mirrors	
9.5	Fire Extinguisher	
9.6	AFEX system and Lines	
10	Cab Inspection	
10.1	Press system check	
10.2	Seat Belts and Tethers	
10.3	Windows and Doors	
10.4	Fuel/Gauges/Alarms	



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tip or trick

Step	Work Steps	Visuals
10.5	Ensure company radio works	

11 Brake tests		
11.1	Service Brake Test: 1. Depress the far-left (Red) brake pedal fully 2. Move shift control lever to the D position 3. Fully depress the accelerator pedal. The machine should not move.	
11.2	Load Brake Lock Test: 1. 2. Move directional lever to the forward position 3. Depress the accelerator and increase engine speed to 1200RPM	
11.3	Secondary Brake Test: 1. Fully depress the dynamic retarder pedal to apply the secondary brakes 2. Move shift control lever to D position 3. Fully depress the accelerator pedal. The machine should not move.	
11.4	<p>Park Brake Hold Ability Test: 1. Depress buttons on shift lever (all three of them) then move the shift lever to the D position 2. Fully Depress the accelerator pedal. The machine should not move.</p> <p>Park Brake Test: With a load, position the haul truck on a 10% grade and apply the Park Brake.</p>	



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tip or trick

Responsibilities

Role	Responsibilities
Operator	Follow this work instruction and inform leader of inability to perform work.
Supervisor/Leader	Create the work standard and teach it to operators. Ensure that operators follow the work standard. Take action when operators ask for help and suggest improvements. Revise the work standard.
Superintendent	Confirm that line leaders are implementing standard work.

Reference material

Document reference	Document title
MNSOP160-0031	Cat 794AC Haul Trucks
KUC RA #9089	Splitting the Pre-Op Risk Assessment (Safety Items Only)

Revision history

MOC #	Description of change	Prepared by	Date
95688	IMPLEMENTATION	Chuck Norton	1/19/2023