586H
588H
Tier 4
Rough Terrain Forklift (RTFL)

from PIN NCC570000

OPERATOR'S MANUAL

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CASE CONSTRUCTION

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Initial 10 hours

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Every 10 hours of operation or daily

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Every 50 hours

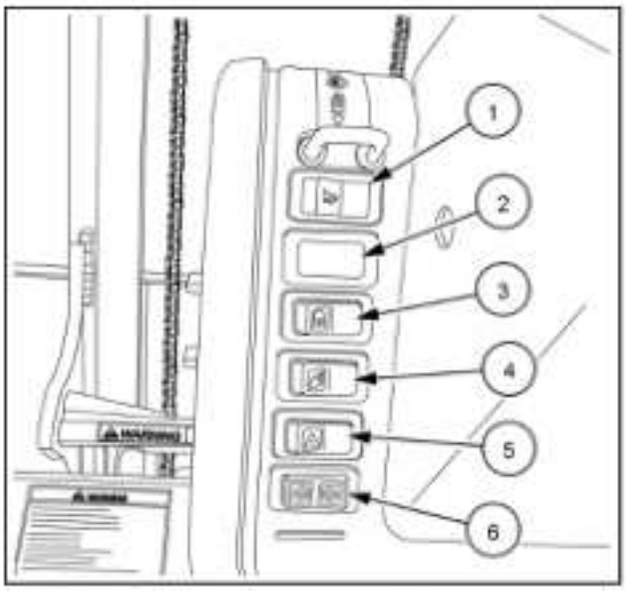
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FORWARD CONTROLS

Console controls

Function switches (left side)



RAPH12PRK01398AA 1

(1) Horn switch

	Push the horn symbol on the rocker switch to sound the horn.

(2) Blank

(3) Rear work lamp switch

	Push the rear work lamp symbol on the switch to turn on the rear work lamps. Push the other side to turn off the rear work lamps.

(4) Driving lamp switch

	Push the driving lamp symbol on the switch to turn on the driving lamps. Push the other side to turn off the driving lamps.

(5) Flasher switch

	Push the flasher symbol switch and the front and rear signal lamps flash simultaneously. Push the other side of the flasher switch to turn off the signal lamps.

(6) Turn signal switch (three position switch)

	Push the left side of the switch to signal a left turn. Push the right side of the switch to signal a right turn. Place the switch in the center position to turn off the turn signal.

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Fluid capacities and lubricant specifications

Engine crank case

Specification:	**TUTELA UNITEK CJ-4 ENGINE OIL SAE 10W-40(API CJ-4)**
Capacity:	
With filter change	**8.00 l (8.45 US qt)**

NOTE: *Refer to the Recommended operating temperature range chart located in this manual to determine the appropriate oil type for your operating environment.*

Fuel tank

Specification:	No. 2 ultra-low sulfur diesel
Capacity:	**119 l (31 US gal)**

Cooling system

Specification:	**CNH XHD PREMIX (50 %** water and **50 %** ethylene glycol)
Capacity:	**16.1 l (17.0 US qt)**

Hydraulic system

Specification:	**CASE AKCELA HY-TRAN® ULTRA™ HYDRAULIC TRANSMISSION OIL**
Capacity:	
Total system	**68.1 l (72.0 US qt)**
Reservoir with filter change	**55.0 l (58.1 US qt)**
Reservoir without filter change	**53.0 l (56.0 US qt)**

Transmission

Specification:	**CASE AKCELA HY-TRAN® ULTRA™ HYDRAULIC TRANSMISSION OIL**	
Capacity:		
Manual (Power shuttle)		
	Two wheel drive	Four wheel drive
Total system	**18.5 l (19.5 US qt)**	**20.8 l (22.0 US qt)**
Refill (with or without filter change)	**11.9 l (12.6 US qt)**	**14.4 l (15.2 US qt)**

Front drive axle

Specification:	**TUTELA TRANSAXLE FLUID SAE 80W-140**
Capacity:	
Differential	**14.2 l (15.0 US qt)**
Each hub	**1.5 l (1.6 US qt)**

Rear steer axle — Four Wheel Drive (4WD)

Specification:	**TUTELA TRANSAXLE FLUID SAE 80W-140**
Capacity:	
Differential	**5.5 l (5.8 US qt)**
Each planetary hub	**0.7 l (0.7 US qt)**

Brake master cylinder

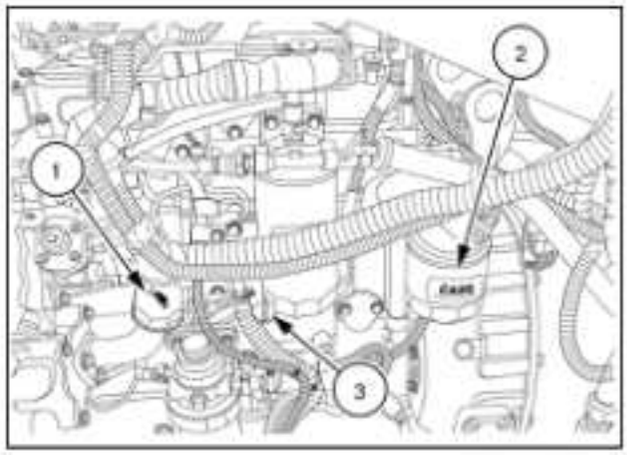
Brake fluid supplied by the transmission.

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Engine oil and filter

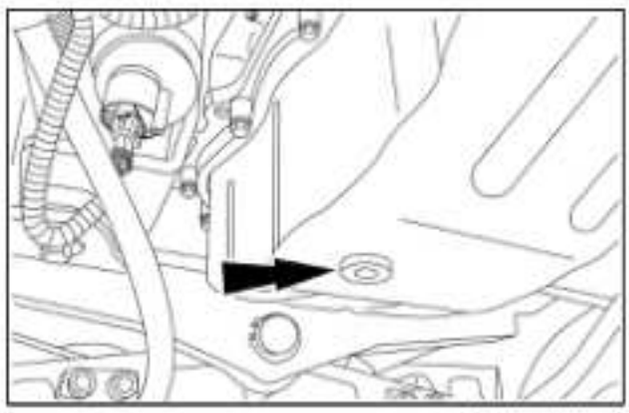
Change the engine oil and replace the filter after every 500 hours of operation or once a year, whichever occurs first.

1. Start the engine and run until the engine is warm. A warm engine allows a more complete removal of foreign material.
2. Turn engine off and open the right side engine panel.
3. Clean around the engine fill cap **(1)**, engine oil filter and head **(2)**, engine oil dipstick **(3)**, and oil pan drain plug (not shown).



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4. Slowly open the drain plug for the engine oil pan and drain the oil into a suitable container.

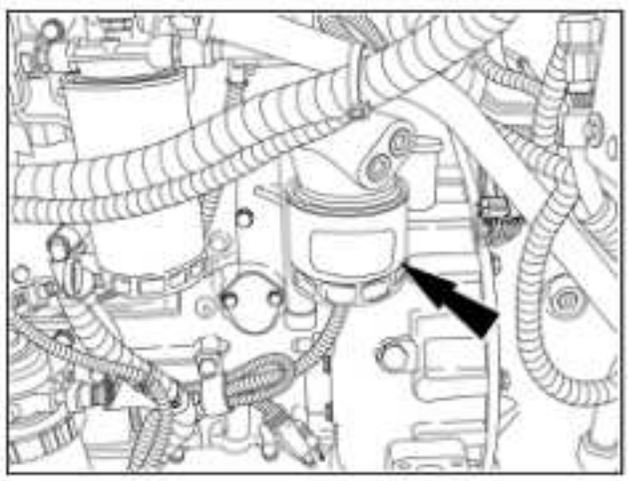


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5. Turn the oil filter counter-clockwise to remove. Use a filter removal tool, if necessary.
6. Dispose of the filter and collected oil in accordance with local, regional, and federal regulations.
7. Use a clean cloth and wipe the sealing surface of the oil filter base to remove all dirt.
8. Apply a thin layer of clean grease or oil to the gasket of the new oil filter.

NOTICE: *Do not use a filter wrench to install the oil filter. The wrench can dent the filter and cause a leak.*

9. Turn the new oil filter onto the base until the gasket makes contact with the base.



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10. Continue to tighten the filter for 3/4 turn.
11. Install the drain plug for the engine oil tank.
12. Fill the engine with new oil.

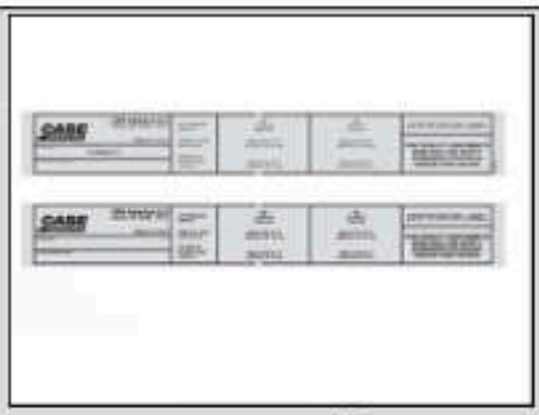
Next operation:

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Certification plate

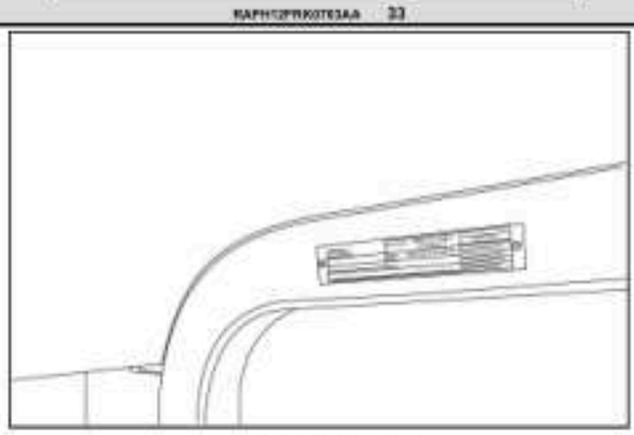
Certification plate
This forklift conforms to ASME B56.6 1992 safety standards for Rough Terrain Fork Trucks.

Quantity: 2
English 384265A1
Spanish 398578A1
French Canadian 398579A1



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(14) Located in the cab on left and right side posts.



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Parking brake

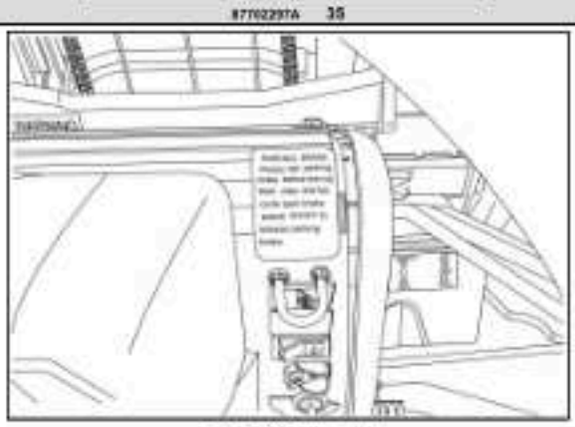
IMPORTANT
Always set parking brake before leaving seat. After startup, cycle park brake switch ON/OFF to release parking brake.

Quantity: 1
English 87702297
Spanish 87708227
French Canadian 87708242



87702297A 35

(15) Located in cab on right side



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