821F
921F
Tier 4B (Final)
Wheel Loader

OPERATOR'S MANUAL

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CASE CONSTRUCTION

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Initial 100 hours

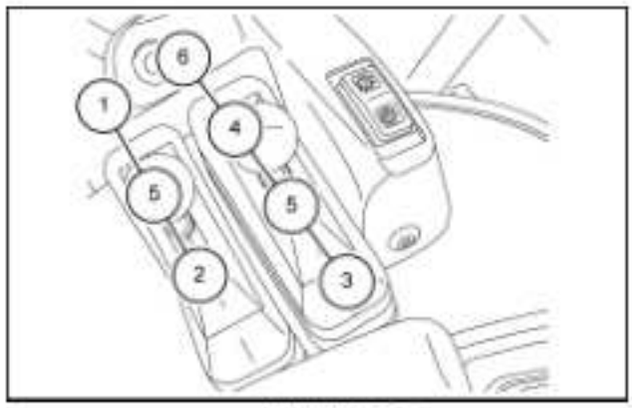
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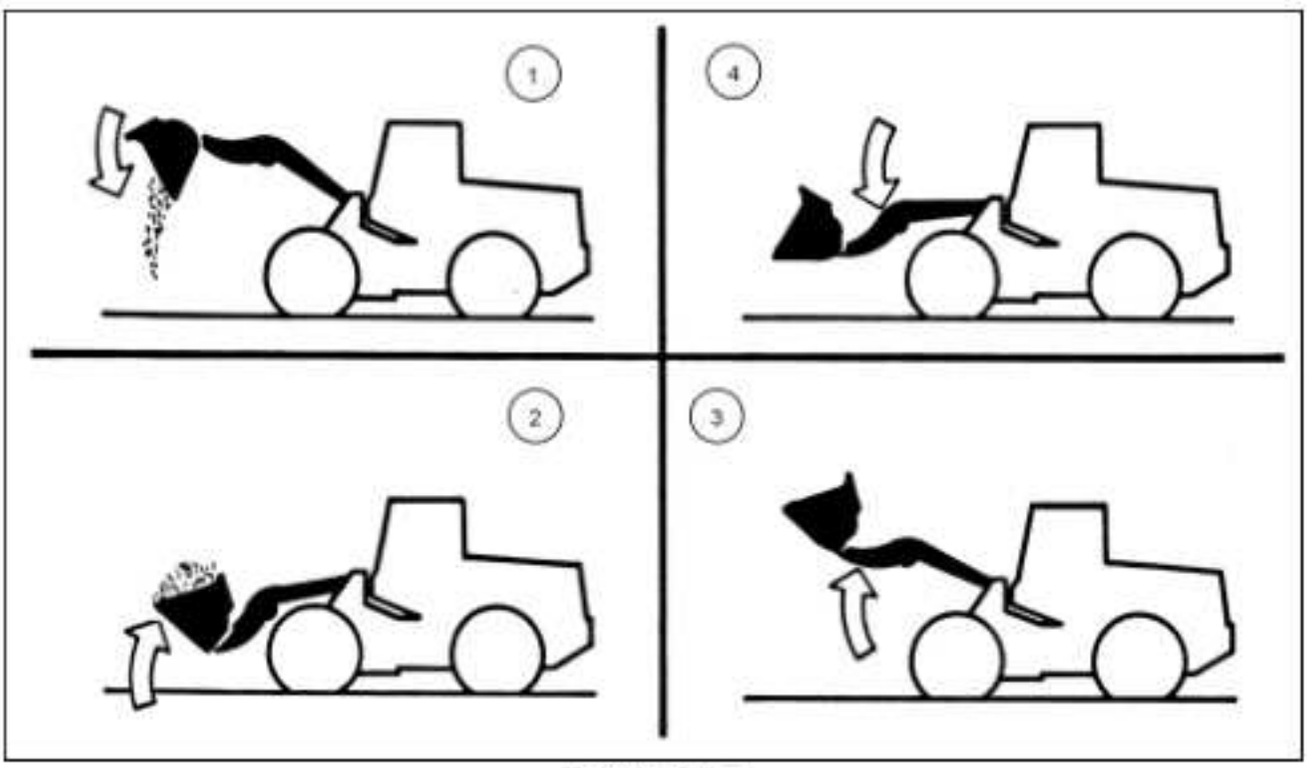
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Two function valve - two control levers

NOTE: *this page shows the basic control levers positions. The Detent Switch is in the Hold position.*

See loader "Switch operations" in Chapter 3 of this manual for return-to-dig, bucket height control and return-to-travel/float switches.





1. Dump bucket
2. Rollback bucket
3. Raise lift arms
4. Lower lift arms
5. Hold - The loader arms and bucket will not move when the control lever is in the hold position. When released, you must move manually the control lever from the float position to the hold position (only with magnets engaged).
6. Float (detent) - This is a detent position. When in the float (detent) position, the loader bucket can follow level of the ground without movement of the control lever (only with magnets engaged).

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921F Capacities and specifications

Engine		
	Type of oil	**CASE AKCELA UNITEK NO. 1™ SBL CJ-4**
	Technical specifications	**SAE 10W40** **API CJ-4**
	CASE CONSTRUCTION specifications	**MAT3521**
	Type of oil	**CASE AKCELA UNITEK NO. 1™ SSL CJ-4 SAE 0W-40** (cold weather)
	Technical specifications	**SAE 0W-40** **API CJ-4**
	CASE CONSTRUCTION specifications	**MAT3521**
	Capacity (with filter change)	**13.25 l (14.0 US qt)**
	Total capacity in system	**15.1 l (16.0 US qt)**
Cooling system		
	Type of coolant	**CASE AKCELA ACTIFULL™ OT EXTENDED LIFE COOLANT**
	CASE CONSTRUCTION specifications	**MAT3624**
	System capacity	**30.0 l (32.0 US qt)**
Fuel system		
	System capacity	**288.0 l (76.0 US gal)**
Hydraulic system		
	Type of fluid	**CASE AKCELA HY-TRAN® ULTRACTION**
	Technical specifications	**ISO VG-46**
	CASE CONSTRUCTION specifications	**MAT 3540**
	Type of fluid	**CASE AKCELA HY-TRAN® ULTRACTION SSL** (low temperature)
	CASE CONSTRUCTION specifications	MAT 3541
	Total system capacity	**200.0 l (53.0 US gal)**
	Reservoir capacity	**110.0 l (29.0 US gal)**
Transmission		
	Type of oil	**CASE AKCELA NEXPLORE™ FLUID**
	Technical specifications	**SAE 10W - 30** **API GL-4** **ISO VG-32/46**
	CASE CONSTRUCTION specifications	**MAT 3525**
	Service capacity - with filter change	**34.1 l (36.0 US qt)**
Axles		
	Type of oil	**CASE AKCELA TRANSAXLE FLUID 80W-140**
	Technical specifications	**SAE 80W-140** **API GL-4**
	CASE CONSTRUCTION specifications	**MAT 3510**
	Front axle	**42.0 l (44.4 US qt)**
	Rear axle	**40.0 l (42.3 US qt)**
DEF/ADBLUE®		
	Technical specifications	**ISO 22241-1**
	CASE CONSTRUCTION specifications	ES-BS001
	Total capacity (*)	**37.1 L (39.2 US qt)**
Grease fittings, as required		**CASE AKCELA MOLY GREASE**
	CASE CONSTRUCTION specifications	**MAT3550** Grade C

NOTICE: *(*) some liters always remains in the* ***DEF/ADBLUE®*** *reservoir. This allows for correct functioning of the wheel loader components. DO NOT overfill the* ***DEF/ADBLUE®*** *tank. The tank is full when the* ***DEF/ADBLUE®*** *fluid level in the tank reaches the bottom of the fill neck. Adequate air volume must be present in the top of the tank for proper functionality of the after treatment system.*

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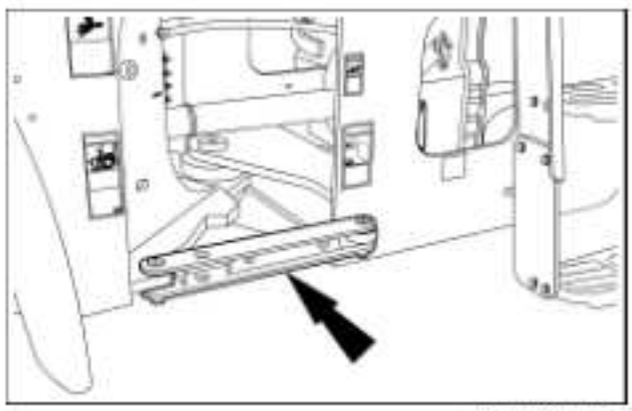
Every 4000 hours

Selective Catalytic Reduction System (SCR) Supply Module filter - Replace

Replace the **DEF/ADBLUE®** Supply Module filter every 4000 hours. The Supply Module has a spin-on type filter.

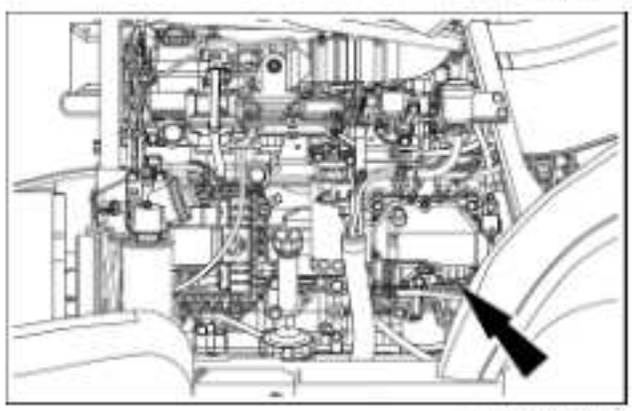
Prior operation:
Keep all non-authorized personnel clear of the area. Park the machine on level ground, in neutral with the parking brake applied and the attachment lowered to the ground.

1. Lower the bucket/attachment to the ground and install the transport/service link into the locked position.



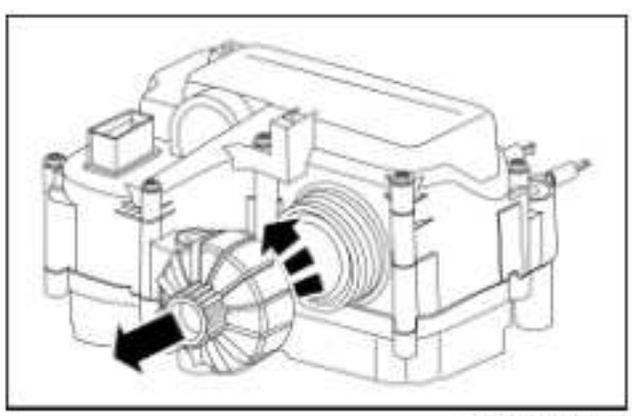
LE8,1WWL00148AB 1

2. Open the engine compartment. The Supply Module filter is located on the right-hand side of the machine directly below the Supply Module.



LE8,1WWL00013AA 2

3. Use a suitable container to catch any fluid that is discharged during the hose and filter disassembly. Thoroughly clean the underside of the Supply Module using compressed air. Remove the **DEF/ADBLUE®** filter cover by turning counterclockwise.



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