1650M
Tier 4A (interim)
Crawler Dozer
PIN NGC107000 and above

OPERATOR'S MANUAL

Part number 47983729
1st edition English
November 2016

CASE CONSTRUCTION

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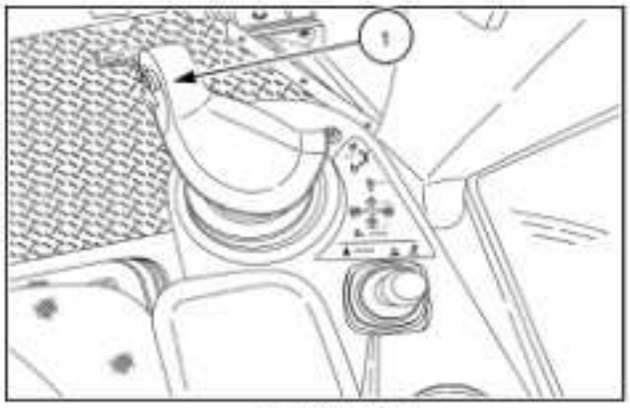
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RIGHT-HAND SIDE CONTROLS

Dozer blade control lever

The dozer blade control lever **(1)** is located on the right hand console. Position **(A)** FLOAT is the only position that the lever will remain in without the operator holding the lever. The blade will stop, and the lever will return to neutral or the HOLD position in any other position when the lever is released.

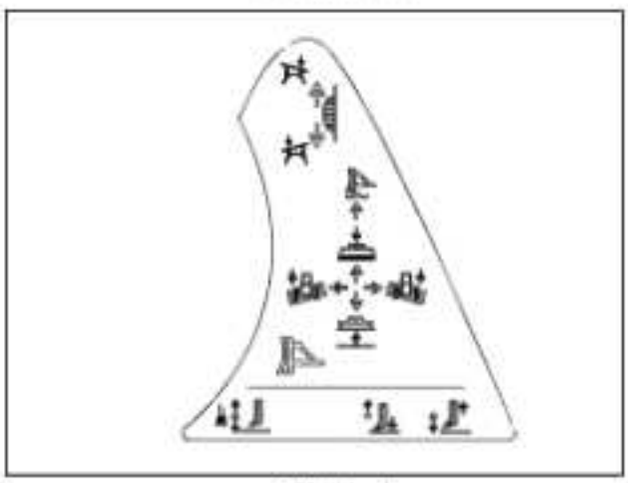


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Float



FLOAT **(A)** is a detent position. When in the FLOAT position, the blade can follow the level of the ground without movement of the control lever.



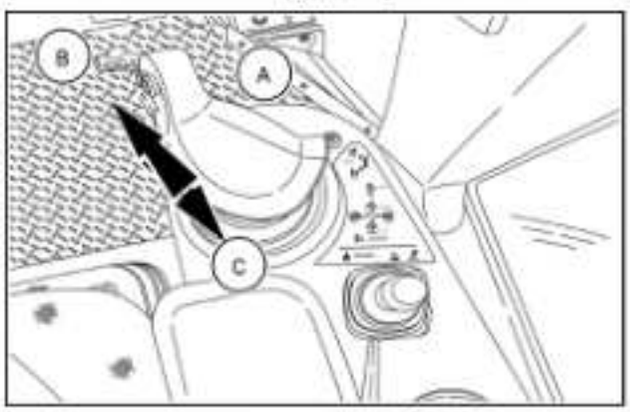
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Lower



Push the control lever forward **(B)** to LOWER the blade. The control lever must be held in this position in order to lower the blade. When the lever is released, it will return to the HOLD position.

NOTE: *A quick drop feature allows the blade to lower quickly. The further the joystick is moved forward, the more quickly the blade moves. To activate the quick drop, move the joystick to the end of blade down stoke before the float detent feel point.*



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Raise



Move the control lever back to the RAISE **(C)** position to lift the blade. When the control lever is released, it will return to the neutral or HOLD position.

Hold

The blade will stop moving in the HOLD position. When released, the control lever will return automatically to the HOLD position. You must manually move the control lever from the FLOAT position to the HOLD position.

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Every 500 hours

Change engine oil and filter

Change the engine oil and filter when the hour meter registers 500 hours. Change the engine oil and filter every 500 hours thereafter or more frequently when the engine operating conditions are severe.

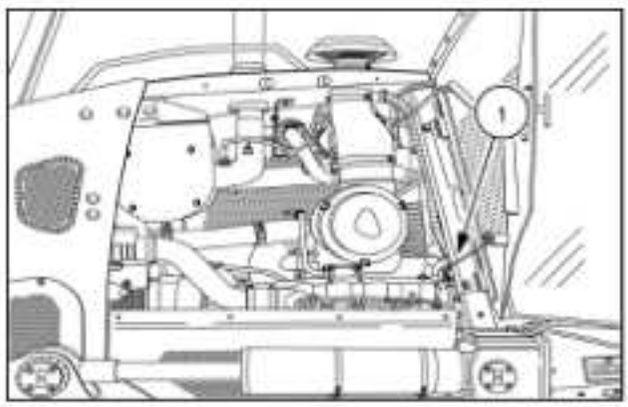
Prior operation:
Keep all unauthorized personnel clear of the area. Park the machine on level ground, in neutral with the parking brake applied, and the attachment lowered to the ground, turn off the engine, remove the key, and verify that engine components have cooled or avoid contact. Make sure that all residual pressure is relieved from circuits before beginning maintenance.

Service specifications	
Type of oil	**CASE AKCELA UNITEK NO. 1™ SBL CJ-4 SAE 10W-40**
Capacity (with filter change)	**16.4 l (17.3 US qt)**
Capacity (without filter change)	**15.6 l (16.5 US qt)**

1. Open the left-hand front and right-hand front access doors. Secure the access doors with the door struts **(1)**.
2. Remove the oil dipstick and the oil fill cap.

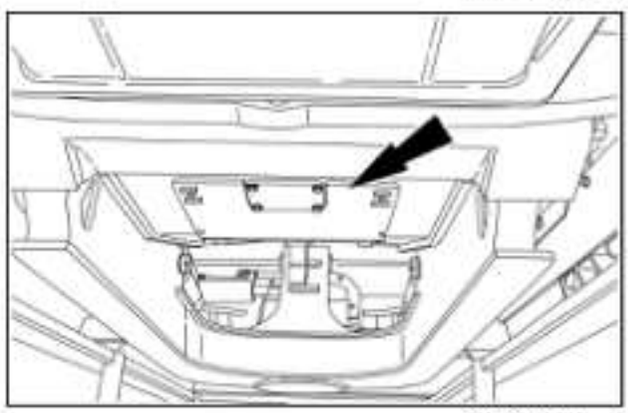
NOTE: *Oil drains faster when the oil is warm (but not hot) and the oil dipstick and oil fill cap is removed.*

3. Use a suitable container to collect the drained oil.



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4. Remove the bolts and the engine oil access plate under the engine. Locate the oil drain plug.


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NOTE: *If the machine is so equipped, and the special draining equipment is available, use the engine oil environmental drain located in the left side engine access door.*

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Tracks - General specification

Track adjustment	Hydraulic
Track frame suspension	Pivot shaft and oscillating equalizer beam
Track link pitch	**190.00 mm (7.48 in)**
Height of track shoe grouser	**55.5 mm (2.2 in)**
Track pin diameter	**38.000 mm (1.496 in)**
Track bushing diameter	**65.000 mm (2.559 in)**
Number of sprocket teeth	25 total (Five 5 tooth segments)
Sprocket pitch diameter	**764.00 mm (30.08 in)**
Track frame	Reinforced box sections with integrated slope track covers
Track gauge	
XT	**1930 mm (76 in)**
WT/LGP	**1930 mm (76 in)**
Length of track on ground standard Sealed and Lubricated Track, Heavy Duty (SALT HD) / optional Ultra-Life	**3087.0 mm (121.5 in)**
Number of track shoe per side	45
Number of carrier rollers per side all models	2
Track rollers per side	8
Sealed and Lubricated Track, Heavy Duty (SALT HD)	Standard
Ultra-Life	Optional

NOTE: *If machine is equipped with optional Ultra–Life chain ground pressure will be* ***0.7 kPa*** *(****0.1 psi****) greater.*

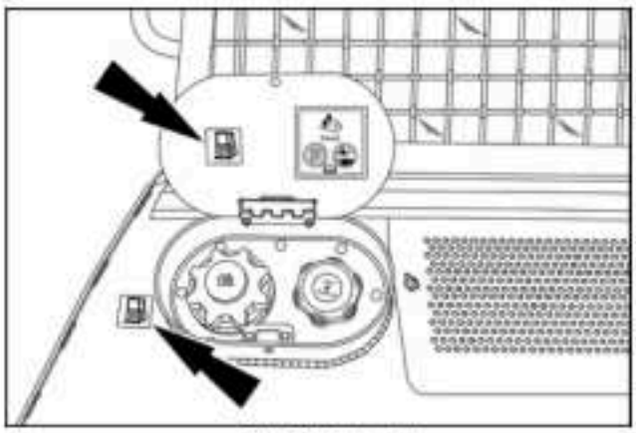
XLT = Extra Long Track

WT = Wide Track

LGP = Low Ground Pressure

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Diesel fuel fill location



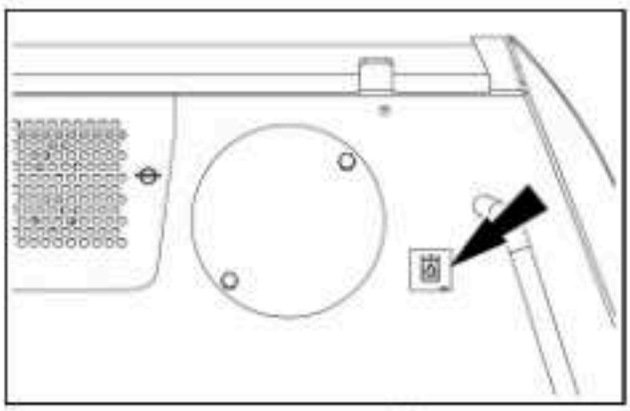
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This informational sign is located under the diesel fuel fill and **DIESEL EXHAUST FLUID (DEF)/ADBLUE®** fill cover. Only fill the **DEF/ADBLUE®** tank with approved **DEF/ADBLUE®** solution. Do not fill with diesel fuel or water. Refer to the Operator's Manual.
ISO safety sign number: 84284896 E



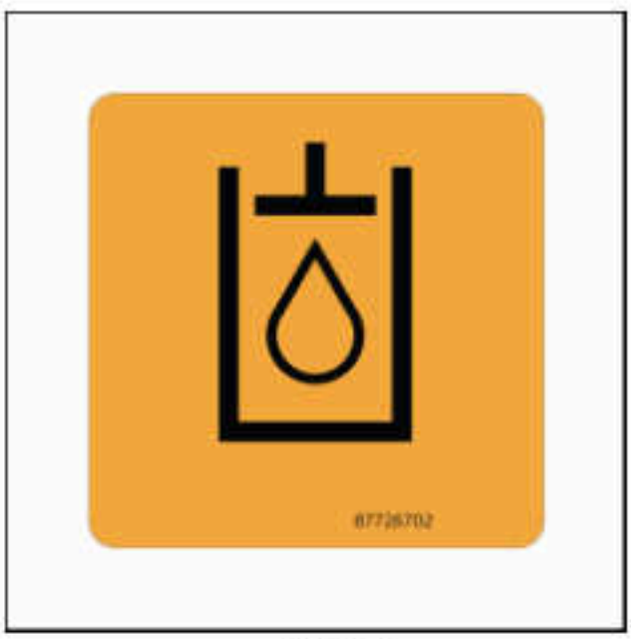
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Hydraulic oil fill location



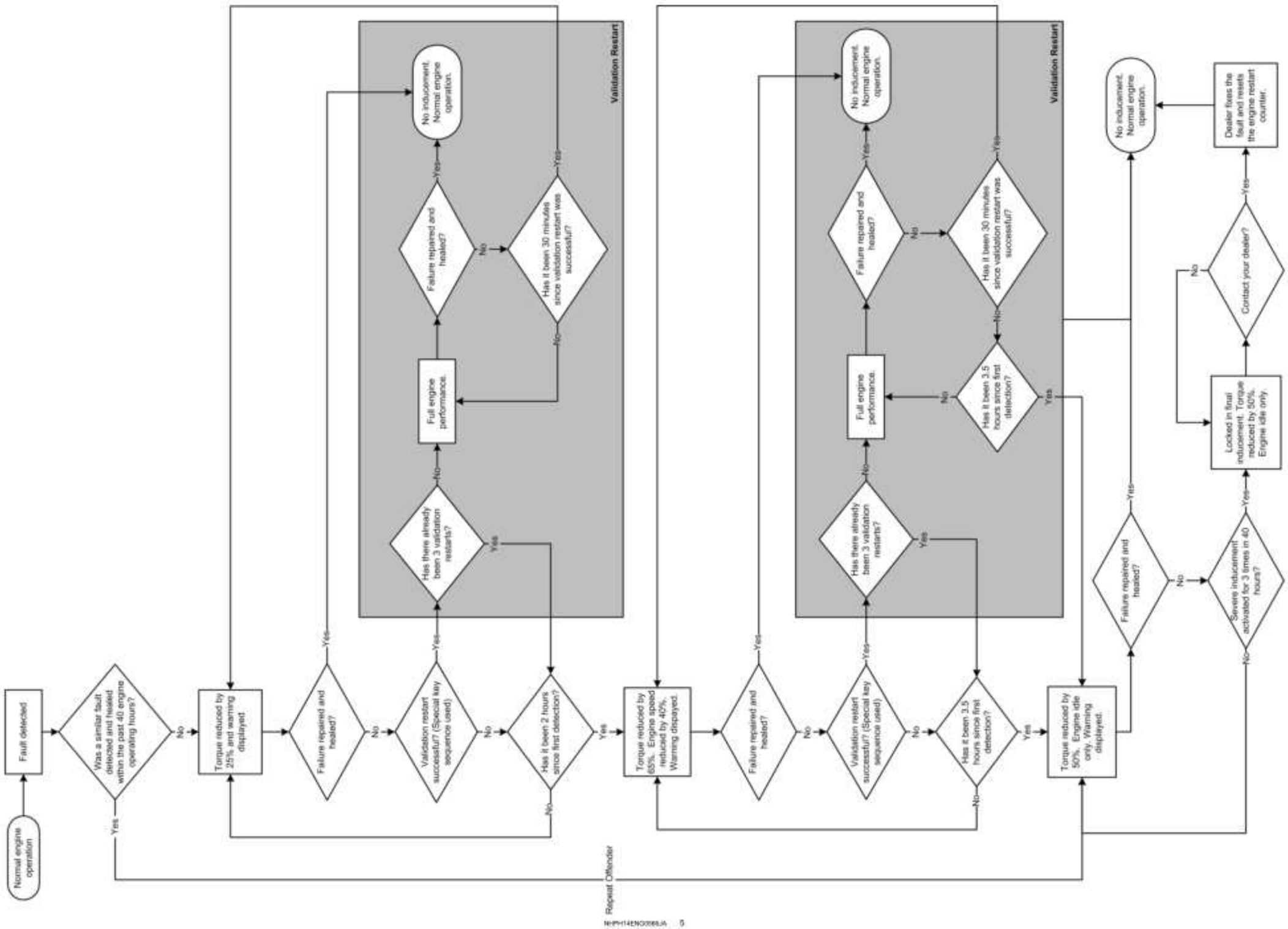
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This informational sign is located next to the hydraulic oil fill. It indicates the correct hydraulic oil fill location.
ISO sign number: 87726702



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