



NUMBER: 21-019-06

GROUP: Transmission

DATE: October 13, 2006

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SUBJECT:

Idle RPM Flare During Cold Vehicle Operation - Revised Transmission Oil Fill Level

OVERVIEW:

This bulletin involves checking/revising the transmission fluid level.

MODELS:

2006	(LE)	300C/Touring (International Markets)
2005 - 2006	(WH)	Grand Cherokee (International Markets)
2006	(XH)	Commander (International Markets)

NOTE: This information applies to models equipped with a 3.0L Turbo Diesel Engine (Sales Code EXL) and NAG1 automatic transmission (Sales Code DGJ or DGU).

SYMPTOM/CONDITION:

Some vehicles may exhibit slight idle flare at launch. This may occur during cold 25°F to 43°F (-4°C to 6°C) temperatures and is most noticeable after extended idling. Once the transmission warms, the condition will no longer be experienced.

DIAGNOSIS:

If the condition is described by the customer, Perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1	05093746AA	Lock Pin, Fill Tube Cap
AR (1)	05103527EA	ATF +4, Quarts

SPECIAL TOOLS/EQUIPMENT REQUIRED:

9336	Dipstick
CH9401	StarSCAN® Tool
CH9404	StarSCAN® Vehicle Cable



Stick with the Specialists™

REPAIR PROCEDURE:

1. Verify that the vehicle is parked on a level surface.
2. Remove the dipstick tube cap.
3. Actuate the parking brake. Start the engine and let it run at idle speed with the shift selector lever in "P" (park).
4. Warm up the transmission for approximately 5 minutes.
5. Shift through the transmission modes several times (P-R-N-D-N-R-P) with the vehicle stationary and the engine idling.
6. Push oil dipstick tool 9336 into the transmission fill tube until the dipstick contacts the oil pan. Remove the dipstick and read the oil level, repeat if necessary.
7. Check the transmission oil temperature using the StarSCAN.

NOTE: The transmission should be in a forward or reverse gear range to read an accurate oil temperature.

8. The transmission Oil Dipstick 9336 has indicator marks every 10 mm. Determine the height of the oil level on the dipstick and use the following oil height/temp charts for LE (Fig. 1) or WH/XH (Fig. 2)

NOTE: The charts reflect revised oil levels.

1. Add or remove oil as necessary to bring the fluid to the correct level.
2. Install the dipstick tube cap with new locking pin pn 05093746AA.

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3.0L Turbo Diesel (LE) NAG1 Transmission Fluid Fill Curve (Revised)

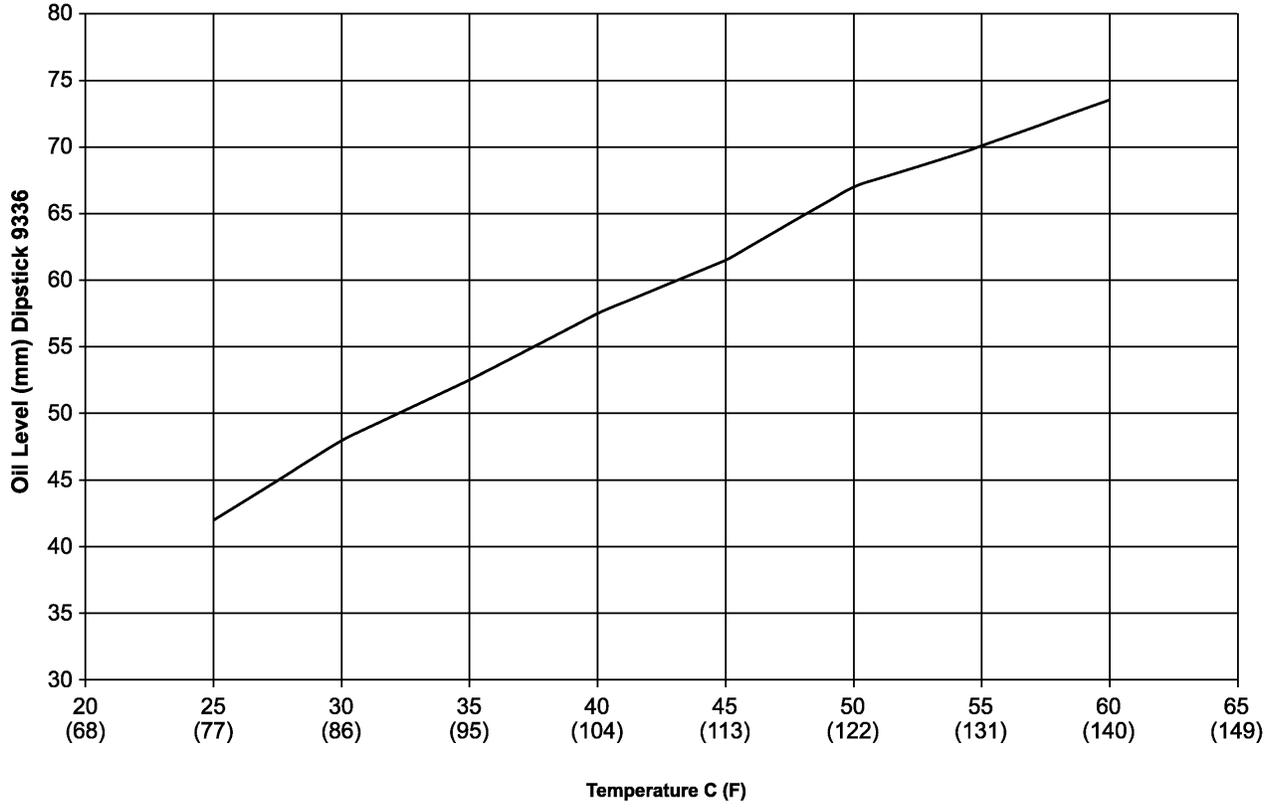


Fig. 1 LE OIL LEVEL/TEMP CHART

3.0L Turbo Diesel (WH/XH) NAG1 Transmission Oil Fill Curve (Revised)

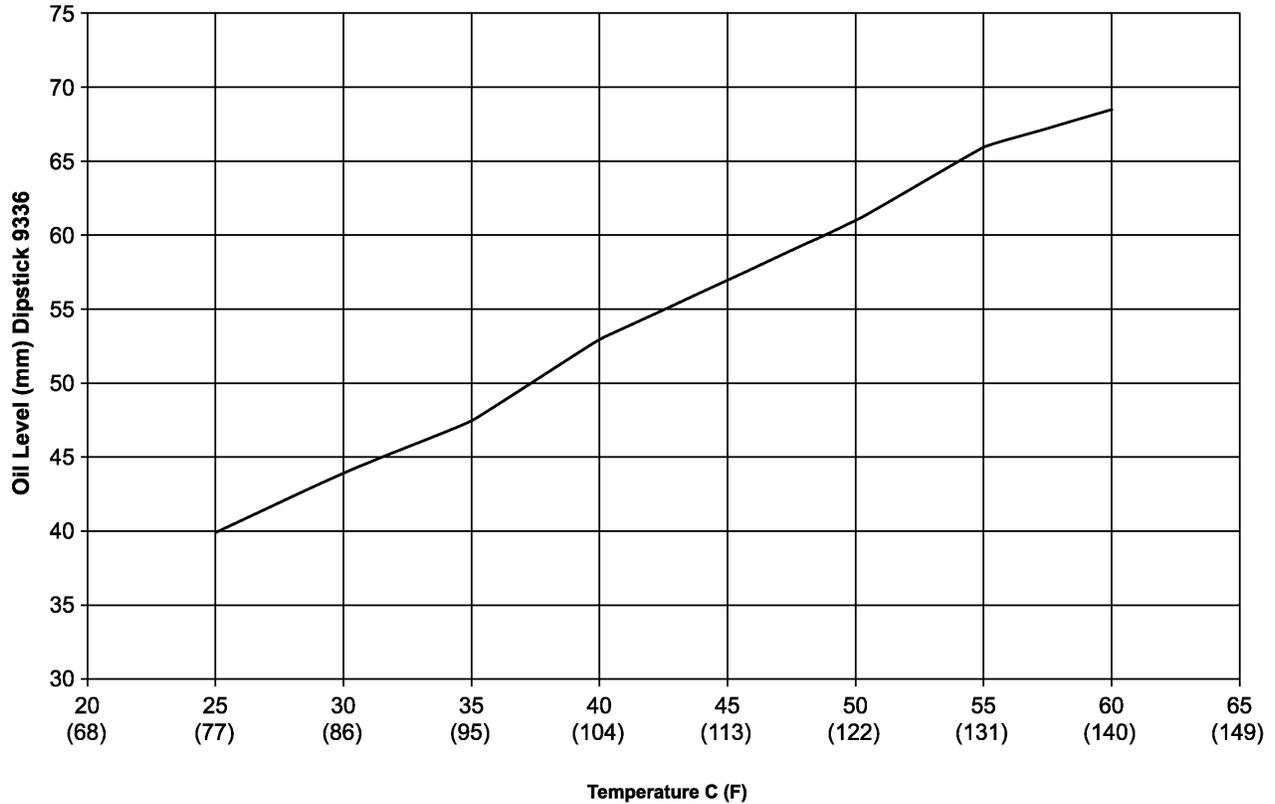


Fig. 2 WH/XH OIL LEVEL/TEMP CHART

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
21-00-10-97	Check and Add/ Remove Transmission Fluid as Necessary to bring Fluid to the Correct Level	0.3

FAILURE CODE:

ZZ	Service Action
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