Machine models include 7100/7200 series tractors CPX620 BSNY6T0117, CX330,7110,7120,7130, 7140,7150,Magnum™ 7100,Magnum™ 7110,Magnum™ 7120,Magnum™ 7130,Magnum™ 7140,Magnum™ 7150,7200,7210,7220,7230,7240, 7250,Magnum™ 7200,Magnum™ 7210,Magnum™ 7220,Magnum™ 7230,Magnum™ 7240,Magnum™

8.3L 24 Valve Case Engine W CAPS Pump

Engine

SERVICE MANUAL

7-88631

CASE IH AGRICULTURE

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Lubricating Oil Pressure Low

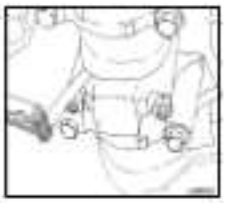
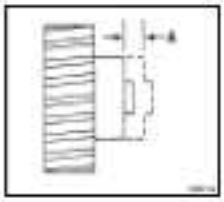
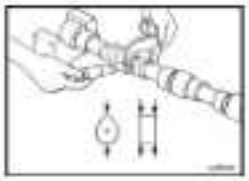
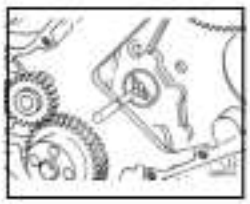
This is symptom tree T105.

Cause	Correction
Electronic fault codes active or high counts of inactive fault codes	Refer to Section TF in the Fuel Systems Troubleshooting and Repair Manual for Case 24 Valve, 8.3 Liter Engines for fault code troubleshooting.
OK ⇩ Lubricating oil level is above or below specification	Check the oil level. Add or drain oil if necessary. Refer to Procedure 007-025. Check the dipstick calibration. Refer to Procedure 007-009.
OK ⇩ Lubricating oil leak (external)	Inspect the engine for external oil leaks. Tighten the capscrews, pipe plugs, and fittings. Replace gaskets if necessary. Refer to the vehicle operation and maintenance manual for specifications.
OK ⇩ Lubricating oil does **not** meet specifications for operating conditions	Change the oil and filters. Refer to Procedure 007-013. Use the oil type recommended in the vehicle operation and maintenance manual.
OK ⇩ Lubricating oil filter is plugged	Change the oil and filter. Refer to Procedures 007-025 and 007-013. Review the oil change interval. Refer to the vehicle operation and maintenance manual.
OK ⇩ Lubricating oil is contaminated with coolant or fuel	Refer to the Lubricating Oil Contaminated symptom tree.
OK ⇩ Lubricating oil pressure switch, gauge, or sensor is malfunctioning or is **not** in the correct location	Check the oil pressure switch, gauge, or sensor for correct operation and location. Refer to Procedure 007-052.
OK ⇩ Engine angularity during operation exceeds specification	Refer to the vehicle specification sheet.

OK ⇩

(Continued)

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Component or Assembly (Procedure)	Ref. No./Steps	Metric		U.S.	
Cylinder Block - Specifications					
Bearings, Connecting Rod (001-005)		2.454 mm 2.471 mm	MIN MAX	0.0966 in 0.0973 in	
Connecting Rod Bearing Dimensions **Standard**					
Connecting Rod Side Clearance Limits		0.10 mm 0.33 mm	MIN MAX	0.004 in 0.013 in	
Dimension A End Play Limits		0.127 mm 0.330 mm	MIN MAX	0.005 in 0.013 in	
Camshaft (001-008)					
Diameter of Peak of Lobe Intake Exhaust		51.774 mm 51.596 mm	MIN MAX	2.038 in 2.031 in	
Journal Diameter		59.962 mm 60.013 mm	MIN MAX	2.3607 in 2.3627 in	
Camshaft Thrust Plate		9.34 mm 9.58 mm	MIN MAX	0.368 in 0.377 in	
Camshaft Bore Inside Diameter With Bushing		60.12 mm	MAX	2.367 in	

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