

## C O R E   A C C E P T A N C E   C R I T E R I A

### Camshafts and Camshaft Kits

You will receive:

*Full Core Refund*

- ◆ Acceptable part number–Caterpillar® part.
- ◆ Not visibly cracked, chipped, broken, chromed or welded.
- ◆ Lobes not visibly chipped, missing material, or have signs of case crushing.
- ◆ Journals not visibly spun, chipped, or missing material.
- ◆ No signs of non-operational damage (mishandling, excessive rust, corrosion, pitting, or evidence of unsuccessful attempts to salvage).
- ◆ Fully assembled and complete (assemblies & kits only. see add charges).

*Damaged Core Refund*

- ◆ Acceptable part number–Caterpillar part.
- ◆ Lobes that are visibly chipped, missing material, or have signs of case crushing.
- ◆ Journals that are visibly spun, chipped, or missing material.
- ◆ No signs of non-operational damage (mishandling, excessive rust, corrosion, pitting or evidence of unsuccessful attempts to salvage).
- ◆ Fully assembled and complete (assemblies & kits only. see add charges).

*No Core Refund*

- ◆ Unacceptable part number or not a Caterpillar part.
- ◆ Non-operational damage (mishandling, excessive rust, corrosion, pitting or evidence of unsuccessful attempts to salvage).
- ◆ Visibly cracked, broken, chromed, or welded.

*Add Charges*

- ◆ Add charges will be applied for any missing or damaged gear, rocker arm, or lifter.

# Camshafts and Camshaft Kits

## CORE ACCEPTANCE CRITERIA (continued)

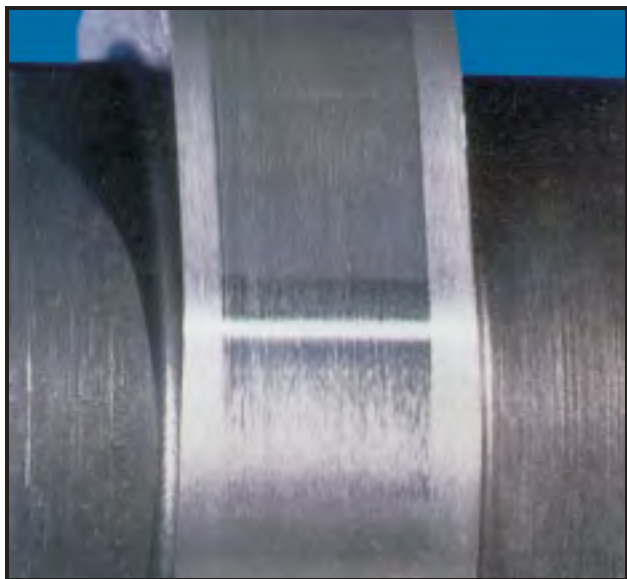


Figure 1

Normal Lobe Wear

Full Core Refund



Figure 2

Minimal Lobe Damage

Full Core Refund



Figure 3

Minimal Lobe Damage

Full Core Refund



Figure 4

Minimal Lobe Pitting

Full Core Refund

# Camshafts and Camshaft Kits

## CORE ACCEPTANCE CRITERIA (continued)



**Figure 5** **Damaged Core Refund**  
Case Crushing (Cracked) on Lobe



**Figure 6** **Damaged Core Refund**  
Material Missing on Lobe



**Figure 7** **Damaged Core Refund**  
Material Missing on Lobe



**Figure 8** **Damaged Core Refund**  
Material Missing on Lobe

# Camshafts and Camshaft Kits

## CORE ACCEPTANCE CRITERIA (continued)



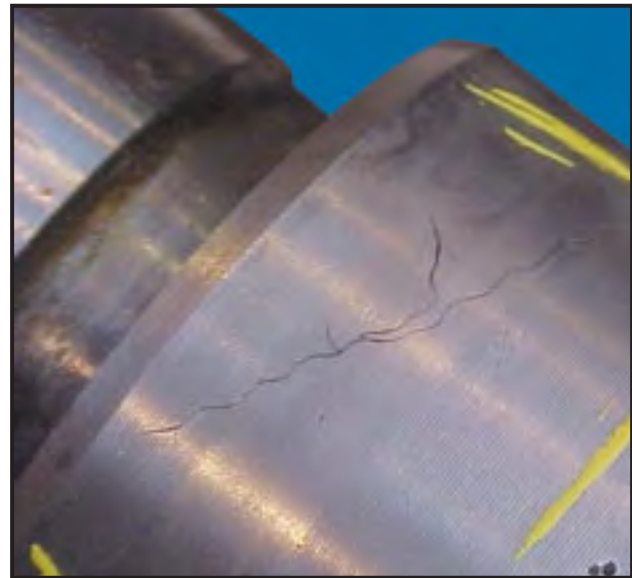
**Figure 9** **Damaged Core Refund**  
Material Missing on Lobe



**Figure 10** **Damaged Core Refund**  
Chipped Lobe



**Figure 11** **No Core Refund**  
Unsuccessful Salvage Attempt on Journals



**Figure 12** **No Core Refund**  
Visibly Cracked Journal

# Camshafts and Camshaft Kits

## INSPECTION TIPS

Dealers should refer to REMAN Policies and Core Management (SELD0122), Core Management Systems and Operations procedures (SELD0040), and Shipping Instructions (SELD0039) in the "Operations and Core Management Tab", and to Core Acceptance Guide Introduction (SELD0013) in the "Core Acceptance Guidelines Tab" for additional information applicable to all cores.

### Chromed or Welded

Cores, which have been rebuilt using chrome plating or welding will result in No Core Refund. When checking for welding or chrome plating:

Look for a shiny raised lobe surface, which may indicate welding.

A chromed lobe surface usually will have a shattered glass appearance.

A copper sulfate test may be done before rejection to verify a chromed part when identified by visual inspection.

### Nonoperational Damage (mishandling, excessive rust, corrosion, or pitting)

If rust can be wiped away with an emery cloth, the core will be accepted for Full Core Refund. Excessive rust, corrosion, or pitting, which are usually caused by incorrect storage, will result in No Core Refund.

### Rocker Arms and Lifters

Each camshaft kit should have the correct number of rocker arms or lifters returned with the camshaft. Each missing, or damaged rocker arm or lifter will be add charged.

### Engine Model with Number of Rocker Arms and Lifters

#### Rocker Arms

3406 / 16 rocker arms

#### Lifters

3204 / 8

3208 / 16

3304 / 8

3306 / 12

3508B / 12

3512 & 24B / 9

3516B / 12

### Fully Assembled with Gear

When applicable, gears should accompany returned camshaft. Each missing or damaged gear will be add charged.

## Direct Purchase Criteria

Please refer to the Core Management Information System (CMIS2) Parts Information Application for all Direct Purchase pricing information. Only the parts that have Direct Purchase prices with a current end date are included in the program. Parts with non-current end dates are not included in the program.

Part numbers that only have a "FULL" Direct Purchase price must meet the "FULL Core Refund" exchange core acceptance criteria to receive direct purchase value. Part numbers that have both a "FULL" and "PARTIAL" Direct Purchase price must meet the applicable "FULL Core Refund" or "Damage Core Refund" exchange core acceptance criteria to receive direct purchase value.

Add charges will apply as appropriate based on the normal exchange core acceptance criteria.





