

ICS 21.200
CCS J 17

JB

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

JB/T 6141.4-2025

Replacing JB/T 6141.4-1992

**Heavy-duty gear - Part 4: Metallographic determination of
carbon content on carburized surface
(English Translation)**

Issued on: July 2, 2025

Implemented on: February 1, 2026

Issued by: Ministry of Industry and Information Technology

Table of Contents

What this standard covers	1
Document data	2

What this standard covers

This standard specifies the material, heat treatment requirements, and testing locations for carburized parts of heavy-duty gears, and describes the carbon content detection and evaluation methods. This standard applies to the metallographic determination of the carbon content on the carburized surface of low-carbon alloy steel heavy-duty gear parts; the determination of the carbon content on the carburized surface of other steel grades is subject to the same method.

Document data

International classification (ICS): 21.200.

Chinese classification (CCS): J17.

Estimated length of the Chinese original: 12,150 words.

Supersedes the earlier edition JB/T 6141.4-1992.