



COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA COMMERCIAL ITEM DESCRIPTION (PCID)

PCID NO. 1066
Eff. 03/14/25

Lubricants, Automotive, Enclosed Gear (Non-Extreme Pressure)
Supersedes 02/14/12

This Pennsylvania Commercial Item Description covers requirements for gear lubricants intended for use in transmissions, transfer cases, steering gears and other components designed for longer equipment life. The lubricants shall be a homogeneous petroleum, or synthetically prepared product, or combinations thereof, with additive materials necessary to meet the requirements of this specification. Product shall conform to the following requirements unless otherwise stated in the bid proposal.

1. Classification – The gear lubricant covered by this specification shall be of the following types

Type II - Synthetic gear lubricant shall be of the following SAE grade:

Grade: SAE 40

2. Physical Requirements. The chemical and physical characteristics shall be as specified in the following:

TYPE II – MANUAL TRANSMISSION GEAR LUBRICANT (SYNTHETIC)

<u>GRADE</u>	<u>40</u>
API Service Classification	MT-1

NOTE: Lubricant shall be suitable for use in heavy duty manual transmissions, meeting or exceeding API Service Classification MT-1. Shall be suitable for Eaton PS-386, International TMS 6816 and Mack TO-A Plus. Grades shall meet latest viscosity requirements as described by the Society of Automotive Engineers (SAE).

Approval:

Eaton PS-386 (supersedes PS-164 Rev7)
Mack TO-A Plus
Meritor O-81 transfer cases
Navistar MPAPS B-6816 Type II
API MT-1

The SAE 50, Eaton PS-164 spec fluid is commonly available for older manual transmissions.

3. Inspection & Rejection. Sampling for prior to/post- award testing, if required, will be as defined in the Bid Proposal. Inspection may be made at place of manufacture at the option of the Commonwealth after an award has been made. An inspection for final acceptance shall be made at the place of delivery and/or after laboratory testing to determine whether product or service meet the specification requirements. Samples for inspection and after delivery testing shall be selected by simple random sampling. If defects are detected during the course of delivery, or after product has been delivered, the Commonwealth reserves the right to reject the defective product and require replacement at no cost to the Commonwealth, or cancel the contract and surcharge the contractor for any expense incurred by the cancellation of the contract and in securing satisfactory materials, if the vendor fails to apply timely and corrective measures.

4. Packing. Lubricant shall be furnished in 55 gallon drums or bulk quantities as specified in the invitation for bid.

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5. Shipping Containers. Unless otherwise specified, shipments shall be made in substantial commercial containers, so constructed as to insure acceptance and safe delivery by common or another carrier. Each shipping container shall be clearly marked with the manufacturer 's name, brand name or number, case count and sheet count.

6. Material Master – SAP Material Master Number:

305093 – Lubricant, Gear, Type II, SAE 40, MT-1, Keg

300802 - Lubricant, Gear, Type II, SAE 40, MT-1, Drum

7. Document Sources:

American Petroleum Institute
1220 L Street, Northwest
Washington, DC 20005

SAE World Headquarters
400 Commonwealth Drive
Warrendale, PA 15096-0001

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