

Citgo Railroad 104-S Gear Lube (a.k.a. Crater Compound).

Each box contains 48 1-lb clear polyethylene bags of grease. Datasheet is attached below. Entire bag goes into traction motor gearcase. No need to squeeze grease out of the bag.

Surplus new old stock, 20+ years old. Material is in good condition. Bags will be shipped in new double-wall cardboard boxes, with contents triple-bagged. (Leaks are a sticky mess.)



For sale at \$5 per box of 48 1-lb bags, plus shipping.

Shipping weight 60 lb/box. Shipped by FedEx Economy Ground, or other carrier if you prefer.

FedEx Ground Economy 2024 Rates from Fremont, CA 94538

	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
Weight (lbs)	0-150 miles	151-300 miles	300-600 miles	601-1,000 miles	1,001-1,400 miles	1,401-1,800 miles	1,800+ miles
	Sacramento		Los Angeles San Diego Las Vegas	Seattle Salt Lake City Portland, OR	Albuquerque Antonito Denver	Omaha Dallas	Kansas City St Louis Chicago Minneapolis ...and all points east
60	\$37.52	\$46.82	\$54.78	\$69.87	\$83.68	\$98.70	\$117.58

Railroad Traction Motor Gear Lube Prices from other sources:

It appears that Citgo no longer sells this product. (Citgo is in turmoil. Venezuela has or had stock control, but the USA "froze" Venezuelan assets. Assets in USA now in bankruptcy auction.)

Railroad Tools & Solutions sells 48 lb boxes of 1-lb bags – manufacturer not specified
\$255 + shipping + tax

<https://rrtools.com/product/traction-motor-grease-6-1-lb-direct-application-bags/>

For more information:

Doug Debs

Hazmat Manager, Pacific Locomotive Association Inc. DBA Niles Canyon Railway
cell 650-704-1487, e-mail <dougdebs2472@yahoo.com>

P R O D U C T I N F O R M A T I O N

CITGO RAILROAD 104-S GEAR LUBE

Date 2/97



DESCRIPTION:

CITGO Railroad 104-S Gear Lube is a sodium soap-thickened gear lubricant for application in traction motor gears of railroad diesel locomotives.

QUALITIES:

Good oxidation stability reduces the possibility of hardening in gear cases over extended service periods.

Extreme pressure properties for gear protection with reduced tooth wear.

104-S meets EMD Material Specification EMS-1027, Type A.

Packaged in one-pound or two-pound polyethylene bags for easy application.

TYPICAL PROPERTIES:

CITGO RAILROAD 104-S GEAR LUBE

Material Code	655525001
Color	Dark Brown
Soap Type	Sodium Stearate
Apparent Viscosity at 200°F (No. 3 Spindle, 4 RPM), cP	7,500
Base Oil Viscosity, cSt at 100°C	450
SUS at 210°F	1,750
Penetration at 77°F, Unworked	355

Transport info from Citgo Railroad 104-S Traction Gear Lube Material Safety Data Sheet (European Union)

"Not regulated as dangerous good for transport."

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

ADR/RID

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

- 14.1 UN Number or ID Number: Not applicable
- 14.2 UN proper shipping name: Not applicable
- 14.3 Transport hazard class(es): Not applicable
- 14.4 Packing group: Not applicable
- 14.5 Environmental hazards: Not applicable
- 14.6 Special precautions for user: Not applicable

ICAO / IATA

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

- 14.1 UN Number or ID Number: Not applicable
- 14.2 UN proper shipping name: Not applicable
- 14.3 Transport hazard class(es): Not applicable
- 14.4 Packing group: Not applicable
- 14.5 Environmental hazards: Not applicable
- 14.6 Special precautions for user: Not applicable

IMO / IMDG

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

- 14.1 UN Number or ID Number: Not applicable
- 14.2 UN proper shipping name: Not applicable
- 14.3 Transport hazard class(es): Not applicable
- 14.4 Packing group: Not applicable
- 14.5 Environmental hazards: Not applicable
- 14.6 Special precautions for user: Not applicable
- 14.7 Maritime Transport in Bulk according to IMO Instruments: Not applicable

Transport info from an equivalent product (Texaco Crater 2X and 5X Grease)'s USA Safety Data Sheet

"Not regulated as a hazardous material for transportation under 49 CFR."

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING GREASE; NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information: NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.