



## Gear Box Lube

### Models

Bottle **6110**  
Case **6111**

### SPECIFICATIONS

	6110	6111
<b>Grade</b> .....	80-90W	80-90W
<b>Capacity</b> .....	Bottle	Case
.....	(16 oz.)	(12 - 16 oz.)
<b>Weight</b> .....	16 oz.	12.45 lbs.
<b>Dimensions</b> .....	3.75 x 3.25 x 2.25"	10 x 8.5 x 8.25"

### TYPICAL INSPECTION TESTS

ISO .....	220
AGMA .....	5
API Specific Gravity, @60°F .....	29.3
Specific Gravity (H <sub>2</sub> O -1).....	0.8762-0.8996
Color ASTM.....	L-4.5
Flash Point COC °F .....	465°
Fire Point COC °F.....	560°
Pour Point °F.....	-10°
Viscosity	
SUS @ 100°F.....	1044
SUS @ 210°F.....	95
Viscosity Index .....	103

### FEATURES

- Reduces friction and wear and lowers operating temperatures, thus lowering maintenance costs.
- Provides excellent oxidation and thermal stability extending fluid life.
- Provides excellent demulsibility and filterability, allowing water and contaminants to be easily removed.
- Provides anti-wear, anti-rust and anti-corrosion protection prolonging life of gearbox.

### GENERAL USE

Good lubrication is the easiest, most efficient and least expensive preventative maintenance for your Gearbox. Change initial fill after 50 hours running period, thereafter every 3 months or at 500 hour intervals.

Refer to individual data sheet for prescribed amount of lubricant for each gearbox crankcase and fill to designated level.

Pump crankcase oil [PN 6100, 6107, 6105] should be checked and changed on the same schedule as gear lube. Pump crankcase wicks should be periodically lubricated through the access holes on the top front of the crankcase. See Tech Bulletin 024 on lubricating Lo-Pressure seals. Larger pumps often use oilers.

*“Customer confidence is our greatest asset”*

# MATERIAL SAFETY DATA SHEET

9-01-00

Product Trade Name: *Cat Pump Premium Grade Gear Lube*  
Chemical Name & Synonyms: *SPO-255*  
*Grade with Anti-Wear, High Pressure and Oxidizer Inhibitor Additives*  
Formula: *Mineral Oil and Additives*

National Fire Protection Association 704M Signal (or estimate)  
Freight Class: 65  
EMERGENCY NUMBER: 800-424-9300

## I. HAZARDOUS INGREDIENTS - IDENTITY INFORMATION

OSHA PEL .....5 mg/m<sup>3</sup>  
ACGIH TLV .....5 mg/m<sup>3</sup>  
Hazardous Components: *Oil mist in air (not encountered in normal use).*

## II. PHYSICAL DATA

a. Boiling point (°F): >550°F  
b. Vapor pressure (mm Hg): <0.01 mm/hg @20°C  
c. Vapor density (Air = 1): >5  
d. Solubility in water (%): *negligible*  
e. Specific gravity (H<sub>2</sub>O = 1): *0.8762-0.8996*  
f. Appearance and odor: *Transparent amber with mineral oil odor.*

## III. FIRE AND EXPLOSION HAZARD DATA

a. Flash point: *450°F - 475°F*  
b. Flammable limitation: *LEL 0.9% UEL: 7%*  
c. Extinguishing media: *Water Fog, Foam, Co<sub>2</sub>, Dry Chemicals*  
d. Special fire fighting procedures: *Use water spray to keep fire-exposed containers cool. If leak or spill has not ignited, use water spray to disperse the vapors. Utilize air-supplied breathing equipment in confined or enclosed areas.*  
e. Unusual fire and explosion hazards: *Do not store or mix with strong oxides. Do not cut, weld, drill or grind—explosive.*  
f. NFPA Rating: *Health - 1, Flammability - 1 Reactivity - 0, Special Hazard - 0*  
g. Threshold Limit Value: *5 mg/m<sup>3</sup> for oil mist in air.*

## IV. HEALTH HAZARD DATA

a. Route(s) of Entry: *Inhalation Not a problem at room temperature*  
*Skin Yes, if under high pressure*  
*Ingestion Possible*  
b. Health Hazards: *Prolonged or repeated skin contact may cause irritation. Eye contact can cause discomfort. Ingestion can cause gastrointestinal distress. Vapors, mists, fumes may cause mild to severe pulmonary injury.*  
c. Carcinogenicity: *NTP No*  
*IARC Monographs No*  
*OSHA Regulated No*  
d. Medical Conditions: *Generally Aggravated by Exposure: Product has a low order of toxicity. In normal use should not be harmful.*

## Emergency and First Aid Procedures:

a. Eyes: *Flush with clean, clear water for 15 minutes until irritation subsides. If irritation persists, see a physician.*  
b. Skin: *Remove any contaminated clothing and wash thoroughly with soap and warm water.*  
c. Inhalation: *Vapor pressure is very low and inhalation at room temperature is not a problem. If overcome by hot product, immediately remove from exposure and see physician.*  
e. Ingestion: *DO NOT INDUCE VOMITING, CONTACT A PHYSICIAN.*

## V. REACTIVITY DATA

a. Stability: *Stable*  
b. Incompatible materials: *Avoid contact with strong oxidants such as liquid chlorine or concentrated oxygen.*  
c. Hazardous Decomposition Products: *May form SO<sub>2</sub>. If incomplete combustion, carbon monoxide.*  
d. Hazardous Polymerization: *Will not occur*  
e. Conditions to avoid: *N/A*

## VI. PRECAUTIONS FOR SAFE HANDLING AND USE

a. Steps to be taken in case material is released or spilled: *Contain spill with use of absorbent media. Wash area with suitable petroleum solvent. Keep spill from entering sewers or waterways.*  
b. Waste disposal methods: *Disposal must be in accordance with local, state and federal regulations. Dispose of absorbent material at approved waste disposal facility.*  
c. Precautions to be taken in handling and storing: *Keep containers closed when not in use. Store in cool, dry area away from sources of heat, sparks, flame or strong oxidants.*  
d. Other precautions: *Do not weld, cut or drill empty drums. Fumes can be explosive.*

## VII. SPECIAL PROTECTION INFORMATION

a. Respiratory Protection (Specify Type): *Normally not needed.*  
b. Ventilation: *Local exhaust: Use to capture fumes and vapors.*  
*Mechanical (General): N/A*  
*Special: No Other: No*  
c. Protective Gloves: *Oil resistant.*  
d. Eye Protection: *Wear chemical goggles, splash shield.*  
e. Work/Hygienic Practices: *Launder contaminated clothing before re-use. Cleanse skin thoroughly after contact. Discard oil soaked shoes.*

Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

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