PERFORMANCE

Multi-Purpose Gear Lube

- *Superior Extreme Pressure Performance*
- *Resists Shock Loading & Wear*
- *High Performance Adhesive/ Cohesive Additive Prevents Cold Start Wear*

When you need unsurpassed protection for heavily loaded industrial and commercial gear boxes, SWEPCO 201 Multi-Purpose Gear Lube is the answer.

SWEPCO 201 Multi-Purpose Gear Lube is a premium quality, gear oil formulated to provide superior performance in a wide range of demanding operating conditions. It provides outstanding wear control, service life, cleanliness, thermal stability and corrosion resistance for most industrial gear boxes, manual transmissions, final drives and power take off units. It is blended from the finest high VI paraffinic base stocks available and the most advanced additive chemistry, including LUBIUM®, SWEPCO's highly effective anti-wear additive.

Outstanding lubricity and film strength reduce friction, wear and operating temperatures of heavily loaded gear boxes. Longer drain intervals, reduced waste oil, longer equipment and part life, less labor, more uptime and significant energy reduction are some of the important benefits provided by SWEPCO 201.

SWEPCO 201 At Work

Here are some of the ways you can put SWEPCO 201 to work for you: heavily loaded industrial gearboxes, rock and coal crushers and pulverizers, shaker screen gearboxes, conveyors, cranes, paperboard cutter gears, machine tool gearboxes, extruder gearboxes, aerator and agitator gear units, mixers and manual transmissions and differentials in a wide range of trucking, construction, mining, logging, sawmills, farming equipment and high performance automotive applications. It also performs exceptionally well for chains, cables, rollers, bushings, slides, pins and cams.

Stationary Gearboxes

High Load Cranes & Conveyors

Construction

Marine

Feature	Benefit
High VI Paraffinic Base Stock	• Gives you a more uniform viscosity over a wide temperature range • Helps improve high temperature oxidation and thermal stability • Better low temperature flow characteristics help reduce start-up wear • Extends service life
LUBIUM®	• Enhances the performance of the other additives and the base stock • Forms a protective film on moving parts eliminating premature wear
Oxidation Inhibitor	• Reduces oil thickening
	• Helps prevent sludge, varnish and carbon deposits that result from oxidation
Rust and Corrosion Inhibitor	• Builds a chemical bond with the surface to keep moisture and acids from penetrating and attacking the surfaces
Anti-Foam Additive	• Can lower oil operating temperatures by 25 - 50 degrees F. by dispersing the foam and releasing the trapped heat
Oiliness Additive	• Enables the oil to penetrate the surface for better lubrication
Anti-Wear Inhibitor	• Helps prevent friction and wear • Helps prevent metal to metal contact
Extreme Pressure Additive	• Increases film strength of the oil giving it the ability to withstand extreme pressures
Adhesive/Cohesive Additive	• Enables the oil to climb when it's cold and reverts to the splash system when the gear box reaches operating temperatures • Prevents dry starts
Pour Point Depressant Additive	• Gives the oil better low temperature flow characteristics • Helps to reduce low temperature start-up wear
Viscosity Index Improver Additive	• Less high temperature thinning and low temperature thickening
Limited Slip Differential Additive	• Helps prevent limited slip shudder
Saves Energy	• Increased "oiliness" provides a thin friction reducing film on vital metal parts to reduce power usage by as much as 30%
Long Life	• Longer drain cycles reduce requirements for waste oil disposal
Multi-Purpose Formulation	• Reduces inventory and lubrication errors to save you money

Typical Physical Properties

ISO Grade	150	220	320	460	680	1000
SAE Grade	80w90	90	-	140	-	250
AGMA	4	5	6	7	8	8a
Density, @ 60° F, lbs/gal	7.41	7.45	7.48	7.55	7.70	7.72
Density, @ 60° F, kg/L	(0.889)	(0.891)	(0.898)	(0.906)	(0.924)	(0.963)
Viscosity, SUS, @ 100 ° F	850	1000	1600	2300	2600	2780
Viscosity, cSt, @ 40 ° C	151	220	313	442	675	1025
Viscosity, SUS, @ 210 ° F	79	95	116	143	176	241
Viscosity, cSt, @ 100 ° C	15.3	19.1	23.6	29.2	36.4	50.7
Viscosity Index	100	100	100	100	100	100
Pour Point °F (°C)	-10 (-23)	-5 (-20)	15 (-9)	20 (-9)	20 (-9)	20 (-9)
Flash Point °F (°C)	400 (204)	405 (207)	415 (213)	560 (293)	560 (293)	560 (293)
Color	blue	blue	blue	blue	blue	blue

Specifications Exceeded

• All AGMA Specifications • API GL-5 • API MT-1 • MIL-PRF-2105E • USS 224 • Mack Trucks Inc. GO-J, Rockwell-Standard 0-76, Cincinnati Milacron, Clark MS-8, White Motors MS00 16, John Deere J11D, Ford M2C 105A, M2C 108C, M2C 154A as well as International Harvester, Eaton and Fuller Specifications, European & Japanese Gear Manufacturer's Specifications • Authorized by USDA and Agri-Canada for use in closed Lube Systems in food and beverage plants

Performance Properties

Timken OK Load, Lbs. (ASTM D2782) 70
Four-Ball Wear, Scar Diameter, MM (ASTM D2783) 0.28
Load Carrying, High Speed Shock Loading (ASTM L-42)
% Gear Tooth Scoring
- Ring Drive 0
- Ring Coast 9
- Pinion Drive 0
- Pinion Coast 12

Thermal Durability@ 325°F. (Stressed ASTM L-37)
- Ridging ..... None
- Spalling ..... None
- Varnish ..... None

Chemical Corrosion, Axle/Transmission (BT-10) Weight Loss, Mg.
- Steel 0.2
- Aluminum 0.9
- Brass 0.9

Copper Strip Corrosion @212°F. 1a
Seal Compatibility - Volume % Change
- Nitrile @ 257°F., 168 Hours 2
- Polyacrylate @ 257°F., 168 Hours 2.1
- Fluroelastomer @ 320°F., 168 Hours 0

Foam Test (ASTM D892)
- Sequence I 0/0
- Sequence II 0/0
- Sequence III 0/0

FZG Minimum Pass Stages ..... 12+
Rust-Preventative Test (ASTM D665)
- Method A ..... Clean
- Method B ..... Clean

Demulsifications (ASTM D2711)
- Water in Oil, % 0.5
- Free Water, ML 83.3
- Emulsion, ML 0.1

A Product of SPX Technology™.

... the cutting edge performance SWEPCO Customers have come to expect.

ilma Member | NLGI Member | STLE Member | ISO 9001 BUREAU VERITAS Certification | ENERGY STAR PARTNER Service & Product Provider | QUALICHEM MEMBER | UEIL Member | Member

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