



EZ Pump Open Gear Grease

Dyna-Plex 21C® EZ Pump Open Gear Grease is a “multi-service” lubricant for use on draglines and shovels, and an open gear lubricant for kilns, ball mills, dryers, wind turbines, etc. It forms a protective coating on metal without the use of asphalt, solvents or lead.

Dyna-Plex 21C EZ Pump Open Gear Grease contains graphite and MoS₂ (molybdenum disulfide). With the help of some specialized chemistry, these solid lubricants bond with the metal surface to form a dense gray colored film which minimizes metal-to-metal contact and wear. This grease reduces lubricant consumption by about 50% compared to asphaltic fluids.

Hints for creating a protective coating:

- * Do not contaminate with bearing grease or incompatible open gear lubricants.
- * Typical setting for open gears; injectors at 50% open and timed to lubricate every 30 min.
- * Avoid over lubrication.

Benefits:

- * TCLP-safe, passes EPA Toxicity Characteristic Leaching Procedure, which reduces disposal costs.
- * Lowers operating temperatures, extends gear life, reduces operating expenses.
- * Reduces consumption, lowers lubrication costs compared to traditional lubricants of the fluid type.
- * Multi-service lubricants which may be used on open gears, many bearings, bushings and some enclosed gears. Does not damage seals or packing materials used in pumping systems and injectors.
- * Pumpability in many climates so a single grade can be used year-round.

Applications:

Dyna-Plex 21C EZ Pump Open Gear Grease can be used to lubricate open gears including grinding mills, kilns, and rack and pinion systems. It is suitable for many heavily loaded bushings and bearings operating at or below a speed factor of 150,000 DN. Additionally, it can be used in some enclosed gear cases where the lubricant is not filtered or circulated by a pump. (Please consult PetroChoice Technical Service Department prior to using in bearings or enclosed gear cases.) Dyna-Plex 21C EZ Pump Open Gear Grease is ideal for exposed parts on mining equipment such as swing racks, house rails and rollers, shovel dipper sticks, wire ropes, and drum laggings.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>EZ PUMP SOFT</u>	<u>EZ PUMP HEAVY</u>
Density, lb/gal @ 60°F (15.5°C)	Gardner	8.30	8.40
Specific Gravity, g/cc @ 60°F (15.5°C)	Method	0.997	1.009
Flash Point, °F(°C)	D92	>230 (>110)	>230 (>110)
Four Ball EP, weld point,kg	D2596	620	620
Copper Strip Corrosion, 212°F(100°C), 3 hours	D4048 mod.	1B	1B
Low Temperature Pumpability, Lincoln ventmeter @ 400 psi, °F(°C)	OEM Stand	-10(-23)	15 (-9)
Operating Range, °F(°C)		0 - 230 (-18 - 110)	15 - 230 (-9 - 110)