

# KOYOTO TITAN PROTECT GREASE OGL SERIES

High Performance Lithium/Graphite - Open Gear Lubricant

**KOYOTO**  
LUBRICANTS

## Product Data Sheet

### Product Description

KOYOTO TITAN PROTECT GREASE OGL series are high performance semi-fluid greases, formulated with lithium based thickeners fortified with Graphite solid lubrication, high viscosity base oils and advanced additive system to provide excellent protection against wear, rusting and grease fling off. They are available in NLGI grades ranging from 00 to 1.5 with base oil viscosity of ISO VG 460. They are suitable for lubricating large, slow to medium speed, heavily loaded Industrial gears, including heavy-duty Marine applications where heavy loads and extreme unit pressures are present. The soft consistency and low temperature properties of OGL greases, makes it suitable to spray on applications operating under wide variety of conditions. These greases are free from lead, nitrite, chlorine and other solvents, hence reduces the impact on environment.

### Features & Benefits

- Highly adhesive grease structure - resists washout of grease in equipment and provides good lubrication even in presence of water.
- Excellent Oxidation and Thermal stability - protects against deposit formation at high operating temperatures and oil thickening, thus maintains the life and performance of grease.
- Outstanding load carrying capacity - reduces wear even under heavy or shock loading conditions by creating Elasto-hydrodynamic lubrication (EHL) film, for good equipment reliability and performance.
- Excellent corrosion protection - protects bearing surfaces against rust & corrosion, even when the grease is contaminated with water.
- Excellent pumpability & sprayability – provides good low temperature start-up & improves efficiency.

### Application

**KOYOTO TITAN PROTECT GREASE OGL series are suitable for most types of Marine and Industrial applications.**

- KOYOTO TITAN PROTECT GREASE OGL 00 & 460 are suitable for lubricating large, slow to medium speed, heavily loaded gears operating under heavy-duty conditions, wire ropes, winches, high speed chains etc.,
- KOYOTO TITAN PROTECT GREASE OGL 1.5 is suitable for lubricating slide rails, boom surfaces, chains and open gears during initial turning. Example: Ring gears in cement mill.

### Typical Characteristics

KOYOTO Titan GREASE OGL	Test Method	Units	OGL 00	OGL 460	OGL 1.5
NLGI Grade	ASTM D 217	--	00	0/1	1.5
Thickener Type	--	--	Li-Graphite	Li-Graphite	Li-Graphite
Penetration, Worked @ 25 °C	ASTM D 217	0.1mm	400-430	330-360	290-320
Viscosity @ 40 °C	ASTM D 445	cSt	460	460	460
Dropping Point	ASTM D 566	°C	190	190	190
4-Ball Wear, Scar	ASTM D 2266	mm	0.5	0.5	0.5
4-Ball Weld Load	ASTM D 2596	Kg	750	750	750

*The above figures are typical of blends with normal production tolerance and do not constitute a specification.*