

Product Data Sheet

SERVOCOAT Gear Compounds



Description

Servocoat compounds are heavy bodied, adhesive type black lubricants for open gears, wire rope and chain lubrication.

These gear compounds are formulated using highly refined steam cylinder oils having excellent thermal and chemical stability. They contain specially selected bituminous component, which provides excellent adhesiveness. High load carrying characteristics are imparted to the product by a mild EP additive.

Performance, Features and Benefits

- Ensures excellent protection of gear teeth under boundary lubrication conditions.
- Have excellent film adhesiveness thus minimise lubricant throw off.
- Provides long lasting lubricating film, which takes care of irregular application in small quantity, thus reducing lubrication cost.
- Protects components against rusting even during idle periods.
- Have good resistance against water washing.

Application

Servocoat compounds are primarily designed for the lubrication of a wide variety of open gears ranging from machine tools/small presses to heavily loaded open gears in cement factories, coal mines, etc. These grades are also suitable for lubrication of kiln tyres, operating at high temperatures, in cement mills and chemical plants. Open gears have been found to be sparsely lubricated at irregular intervals. In such situations a microscopic film of lubricant should be able to withstand the load and prevents metal-to-metal contact. Servocoat compounds form highly tenacious film on metals and thus given excellent performance under severe operating conditions. Servocoat compounds are also suitable for lubrication of wire ropes and chains. This product should not be used in food processing industries.

Approvals / Performance Standards / Recommendations

- ACC – Vickers Babcock Ltd., Shahabad
- Braithwaite & Co (India) Ltd., Calcutta
- Backau Wolf New India Engg. Works, Pune
- EIMCO – KCP Ltd., Madras

PERFORMANCE STANDARDS

Meets Grade-3 of IS 9554 – 1980 (reaffirmed 2004, amendment no. 1) Edition 1.1 (1988-10) standard i.e. 'Specification for Lubricants for Open Gears'

Typical Physical Characteristics

Parameters	Method	120	140	170(T)	190
Appearance	Visual	Satisfactory	Satisfactory	Satisfactory	Satisfactory
Colour	Visual	Black	Black	Black	Black
Flash point COC, °C	ASTM D92	252	298	302	300
Kinematic viscosity at 100°C, cSt	ASTM D445	233.90	517.22	762.04	1065.60
Copper Strip Corrosion @ 100°C, 3 hrs	ASTM D130	1a	1a	1a	1a

Health, Safety & Environment

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or at <https://cx.indianoil.in/>. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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For further information, please contact our nearest office or:

Technical Services Department,
Indian Oil Corporation Ltd.,
G-9, Ali Yavar Jung Marg, Bandra (E),
Mumbai – 400051

E-Mail: servotechserv@indianoil.in or
servots@indianoil.in | <https://cx.indianoil.in/>