



747

OCR MODIFIED Lead-Free Thread Compound

- GEAR OILS
- MOTOR OILS
- HYDRAULIC OILS
- PIPE COATINGS
- THREAD SEALANTS
- BEARING GREASES
- SPECIALTY GREASES
- THREAD COMPOUNDS
- SUCKER ROD COATINGS
- OUTSIDE PRESERVATIVES
- WIRELINE GREASE SEALS
- CLEANERS & DEGREASERS
- PIPE STORAGE COMPOUNDS
- RUST & CORROSION INHIBITORS
- THREAD LOCKING COMPOUNDS
- VALVE LUBRICANTS & SEALANTS
- TOOL JOINT & DRILL COLLAR COMPOUNDS

PRODUCT DESCRIPTION

747 Lead-Free OCR Modified is a lead-free thread compound for casing, tubing, and line pipe. In the modern movement towards less hazardous thread compounds, 747 Lead-Free OCR Modified offers an alternative to API Modified which contains lead.

747 Lead-Free OCR Modified is used in downhole service and protects pipe threads on pipes in storage. The protective capabilities of 747 Lead-Free OCR Modified are enhanced by the addition of corrosion and H₂S inhibitors. This product meets all API performance specifications.

APPLICATION

THREAD PREPARATION: MAKE SURE PIPE THREADS ARE CLEAN AND FREE OF ALL CONTAMINANTS. DO NOT apply 747 Lead-Free OCR Modified before proper conditioning has been done to pipe which has been exposed to H₂S, CO₂, or downhole chemicals. Carefully wash threads in Aqua Cure 690 to remove any salt deposits, residual chlorine from thread cutting operations, dirt, and grease. Use a stiff or wire brush to remove all rust and corrosion. DRY THREADS COMPLETELY BEFORE APPLICATION. All residual water from cleaning procedure, rethreading operations, or hydrostatic testing should be completely dried and then treated using a moisture displacer such as 130 Moisture Displacer.

APPLICATION INSTRUCTIONS: 747 Lead-Free OCR Modified should be applied with a #2 dope brush or other equipment specifically designed for use with thread compounds (avoid using a paint brush). Use the dope brush bristles to force the compound into the roots of the threads. Take care to cover the entire threaded area. A VISUAL INSPECTION IS ADVISED. For optimum protection apply 747 Lead-Free OCR Modified to thread protectors as well.

INSPECTION: One month after application of 747 Lead Free OCR Modified, thread protectors should be randomly removed and inspected for corrosion. Subsequent inspections are recommended every three months.

BENEFITS

- Lead-Free
- Conforms to API RP 5A3/ISO 13678
- Excellent performance in cold weather
- Contains corrosion and H₂S inhibitors
- Economical
- Friction factor of "1"

TYPICAL OBSERVATIONS

Color	Black
Texture	Grainy paste
Density, lb/gal @ 77°F (25°C)	12.01
Specific Gravity @ 77°F (25°C)	1.44
Dropping Point, ASTM D-2265	443°F (228°C)
Flash Point, ASTM D-92	>400°F (>204°C)
Penetration, ASTM D-217 worked @ 77°F (25°C)	335
Corrosion Preventive Properties, ASTM D-1743 @ 125°F (51°C)	Pass
Evaporation Loss, ASTM D-972 @ 210°F (98°C)	0.20%
Oil Separation, ASTM D-1742 @ 77°F (25°C)	Nil
Friction Factor	1
Shelf Life (unopened container)	Four years

The Friction Factor is determined using standardized equipment and tests performed in accordance with API RP 5A3/ISO 13678 under laboratory conditions. In actual field use pipe size, metallurgy, thread geometry, and drilling mud contamination can effect the makeup torque. Adjustments may be required based on experience and knowledge.

RELATED PRODUCTS

- 306 OCR Modified (Lead-free)
- 306AG OCR Modified (Arctic Grade, Lead-free)
- 317 OCR Modified (Lead-free, Zinc-free)
- 318 OCR Modified (Premium, Metal-free)
- 318AG OCR Modified (Arctic Grade, Metal-free)
- 326 OCR Modified (Premium Based, Metal-free, TFE-free, API alternative)
- 328 OCR Modified (Metal-free)
- 338 OCR Modified (Metal-free)
- 4000 OCR Modified (Lead-free, zinc-free)
- 4000NM OCR Modified (Nonmetallic)

