



TEXACO CRATER[®]

2X, Fluid M, Fluid H, CSF

CUSTOMER BENEFITS

Texaco Crater lubricants deliver value through:

- **Low environmental impact** — Contains a carrier solvent that is a non-ozone depleting diluent.
- **Good water resistance** — Strong resistance to water washout.
- **Long equipment life** — High film strength provides excellent anti-wear protection
- **Reduced operating cost** — Long lasting lubrication film reduces frequency of repeated application and, therefore, overall quantity of lubricant used.
- **Flexibility to use in wet conditions** — Resists rust, supporting longer gear life, and assures good film strength even in a wet environment.

FEATURES

Texaco Crater lubricants are formulated with high viscosity mineral oils, tackiness additives, wetting agents and rust inhibitors to protect metal surfaces.

Texaco Crater 2X is a compounded residual oil.

Texaco Crater Fluids M and H are compounded with residual oils and a high flash solvent to provide easier applications.

They meet the performance requirements of AGMA Lubricants Nos. 14R and 15R, respectively.

Texaco Crater CSF is a sprayable lithium soap based open gear lubricant which is chlorinated solvent free.

APPLICATIONS

Texaco Crater lubricants are recommended:

- for wire ropes, flexible couplings
- for open gears of mine hoists
- for gears and sliding surfaces of drag lines and shovel, ball mills, mixers
- for construction and dredging equipment
- for chain and sprocket lubrication
- as a tenacious fifth wheel lubricant

Texaco Crater lubricants can be applied by a variety of methods, including, for example, from a cartridge in a caulking gun, from an aerosol can, or through a mechanical lubricator over a wide range of operating temperatures.

TYPICAL TEST DATA

	2X	M	H	CSF
CPS Number	220948	220961	220962	221968
MSDS Number	9014	9015	9015	9016
Contains Diluent*	No	Yes	Yes	No
Operating Temperature, °C(°F)				
Minimum ¹	38(100)	-18(0)	-18(0)	-18(0)
Maximum ²	188(370)	60(140)	60(140)	149(300)
Penetration, at 25°C(77°F) Worked	—	—	—	380
Dropping Point, °C(°F)	—	—	—	177(350)
Thickener, % Type	— Asphaltic	— Asphaltic	— Asphaltic	2.0 Lithium
Viscosity, Kinematic**				
cSt at 40°C	—	—	—	1075
cSt at 50°C	—	—	1710	—
cSt at 100°C	402	28	—	—
Flash Point, °C(°F)	243(470)	116(240)	116(240)	>204(400)
Pour Point, °C(°F)	27(80)	-7(20)	7(45)	—
Texture	Solid, Tacky	Semi-fluid, Tacky	Semi-fluid, Tacky	Semi-fluid, Tacky
Color	Black	Black	Black	Brown-Black

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.

- ¹ Minimum operating temperature is the lowest temperature at which a grease, already in place, could be expected to provide lubrication. Most greases cannot be pumped at these minimum temperatures.
 - ² Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.
- * Diluents are volatile. Keep containers tightly sealed to avoid loss.
 ** Determined on mineral oil extracted by vacuum filtration.