



Open Gear Compounds

STARFIRE Open Gear Compounds are high performance lubricants that are compounded to provide adhesion and lubrication of open gears under adverse conditions and various machine requirements. They provide protection of components and cables found on hoists, cranes, swing gears, large press gears, draglines, shovels and dredges. Extreme pressure additives impart protection to machine surfaces under extremely heavy loads. These lubricants meet the requirements of US Steel 224.

Typical Properties:

Property	ASTM	2200	3900	5200	8400
Viscosity, cSt @ 40°C	D-445	2200	3900	5200	5400
cSt @ 100°C	D-445	119	171	220	293
Viscosity Index	D-2270	140	140	150	150
Flash Point, °C	D-92	150	170	175	180
°F	D-92	302	338	347	356
Timken OK Load, lb.	D-2782	60	60	60	60
4-Ball EP Test	D-2782				
Load-wear index, kg		50	50	50	50
Weld Point, kg		250	250	250	250
4-Ball Wear Test, 20kg, 1hr, 1800 rpm, 54°C, mm	D-2266				
Wear Scar Diameter		0.3	0.3	0.3	0.3
FZG Test, Stages	-----	12.0	12.0	12.0	12.0
Rust Test	D-665A	Pass	Pass	Pass	Pass
Copper Strip Corrosion	D-130	1	1	1	1
Foam Test, Seq. 1-3	D-892				
Foam volume, ml		Tr/0	Tr/0	Tr/0	Tr/0

The specifications on this sheet are provided by the manufacturer. We do not guarantee the accuracy of these specifications as they are subject to change without notice.