Ωmega®
The Ultimate Lubricant

65

OMEGA 65 Long-Life Chain & Cable Grease

Long-Life Chain & Cable Grease

TRUST OMEGA TO

Save Money
Enhance Performance
Extend Service Life

- *Super formulation maximizes working life of chain, cable & wire rope.*
- *Deep penetration power gets to core strands.*
- *Superior viscosity blend base oil balances fluidity, adhesivity & penetrability.*

ITW PERFORMANCE POLYMERS & FLUIDS®
KOREA

ITW

SPECIAL FEATURES

Omega 65 Long-life Chain & Cable Grease is the "Premier Lubricant" that's quality engineered especially for the ultra-long preservation of today's chain, cable and wire rope.

- **Omega 65** features a super formulation that can prolong by up to 15 times the service life of poorly lubricated equipment.
- **Omega 65** has a deep penetration power to get to the core, or hidden, strands of cable and wire rope.
- **Omega 65's** superior viscosity blend base oil balances fluidity, adhesivity and penetrability.

OUTSTANDING PROPERTIES

Omega 65 is the long-life chain and cable grease that:

- Gives exceptional resistance to squeeze-out and fling-off – withstands the sliding and wiping-off interaction of individual cable strands and chain links.
- Provides long-lasting protection against the effects of corrosion – even saltwater, chemical or brine attack.
- Has a special affinity to metal not found in ordinary greases.
- Applies without heating for superior ease of use.

USE FOR

Omega 65 provides exceptional long-term protection to:

• Anchor Chains • Ball Mills • Block and Jaw Couplings • Sling Chains • Conveyor Chains • Crane Cables • Detachable Link Chains • Disk Couplings • Elevators • Enclosed Malleable Iron Chains • Closed End Chains • Marine Equipment • Mine Head Equipment • Mobile Lifts • Multiple Strand Ropes • Roller Chains • Hoist Chains • Transmission Chains.

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The information contained in this publication is to the best of our knowledge and accurate at the time of issue in October, 2016

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DESCRIPTION:

Omega 65 is a 'premier' lubricant especially designed for ultra long-term preservation of today's chains, cables and wire ropes.

Omega 65 contains a precise percentage of high-contrast fluorinated polymers in the form of methacrylates. These special supplements provide critical and essential boundary formation that stops creep or squeeze-out. It has an avid affinity for metal. This attraction provides the interfacial tenacity to prevent squeeze-out at even the most critical CDAP (Change Direction Apex Point). It is a well-known fact that 90% of all manufactured lubricants used on chains, cables and wire ropes squeeze out during the first hours of service!

HIGH PURITY:

Omega 65 is a high-purity lubricant that provides a new dimension to penetration quality requirements. This special aspect ensures that cables, wire ropes and chains become completely saturated. This promotes a state of equipment self-lubrication!

RELIABILITY:

Ordinary lubricants rapidly evaporate, even in mild climatic conditions. This leaves equipment susceptible to oxidation, corrosion, rust, rigidity, and eventually failure. Since equipment life depends on the long-term reliability of chains, cables and wire ropes, their failure can cause untold damage.

PROTECTION:

Omega 65 provides exceptional long-term protection for the following: -

Anchor Chains	Disc Couplings	Multiple Strand Ropes
Ball Mills	Elevators	Elevators
Block & Jaw Coupling	Enclosed Malleable Iron chains	Hoist Chains
Sling Chains	Closed End Chains	Transmission Chains
Conveyor Chains	Marine Equipment	6 x 7 Strand Ropes
Crane Cables	Mine Head equipment	6 x 19 Warrington Ropes
Detachable Link Chains	Mobile Lifts	

TENACITY:

Omega 65's protection extends to both reduced motion and high-speed equipment because Omega 65 has multiple surface tenacity that will not fling off. Ordinary lubricants -often supplied as chain, wire rope or cable lubricants -rapidly lose strength and decrease equipment flexibility. This promotes surface breakdown and rapid failure. Even the initial lubrication which is incorporated during manufacture seeps out or dries up. This is often caused by low grade or inadequate film strength, lack of correct adhesiveness, dropping out (which also leaves the equipment prone to corrosion and oxidation) and sensitivity to climatic alterations.

Omega 65 meets and exceeds the requirements of all chain, wire rope and cable manufacturers including 'Oil-Rite Corp'.

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TYPICAL DATA:

TEST	ASTM TEST METHOD	TEST RESULT
Mineral Oil Base: -		
Viscosity @100°F, SUS	D-88	350
Flash Point, COC, °C (°F)	D-92	157(315)
Dropping Point, °C (°F)	D-566	Not Applicable
Worked Penetration @77°F, 150 gm cone	D-217	400-430
Rust Preventation	D-1743	#1 rating
Oxidation Stability, lbs, loss in 100 hrs.	D-942	5.0 max.
Free Alkalinity, Ca (OH)2 %Wt.	-	0.5 min.
Graphite Content, %wt.	-	1.0
Tenacity tension, Dyn/cm.	-	25
NLGI Grade	-	#00
Operating Temperature Range, °C (°F)	-	-29 to 149 (-20 to 300)
Color	-	Dark Brown

The characteristics given above are typical of current production only and slight batch to batch variations should be expected.

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