

## RENOLIT REPLEX SERIES

### Multi-Purpose Lithium Complex Grease

#### Description

RENOLIT REPLEX Series greases are lithium complex thickened greases formulated with pure virgin base oils, a heavy duty extreme pressure/anti-wear additive system, corrosion/oxidation additive package and is available in three NLGI Grades. RENOLIT REPLEX Series greases have a long track record of proven field performance to provide protection in heavy industrial, commercial, automotive, mining and other severe applications. RENOLIT REPLEX Series greases are extremely shear stable, have excellent pumpability and are usable in very broad range of applications.

#### Applications

Heavy industrial applications subject to high heat, loads, shear, and water conditions. Ideal for bearings, bushings, gibbs, ways, where there is heavy loads and severe sliding action.

Mining/Construction applications of hitch pins of large haul trucks and shackle pins. Heavily loaded

bushings that support oscillating sliding contact points such as king pins on buckets, excavators, shovels, and loaders.

Anywhere a high temperature, high performance grease is required.

#### Advantages

- Multi-Purpose/High Temperature/Performance
- Excellent Water Resistance
- Very Shear Stable
- Extreme Pressure/Anti-Wear/Corrosion Protection
- Excellent Pumpability
- Available in Three NLGI Grades
- Protection Against Shock Loading

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PROPERTY	VALUE			UNITS	METHOD
Product Name	RENOLIT REPLEX 0	RENOLIT REPLEX 1	RENOLIT REPLEX 2		
Product Code	300160430000	300160431000	300160432000		
NLGI Grade	0	1	2		
Thickener	Lithium Complex	Lithium Complex	Lithium Complex		
Texture	Smooth	Smooth	Smooth		
Color	Dark Red	Dark Red	Dark Red		
Penetration, Worked	372	327	281	0.1 mm	ASTM D 217
Worked Stability, 10K	+9	+9	+10	% Change	ASTM D 217
Dropping Point	500+ (260)	500+ (260)	500+ (260)	°F (°C)	ASTM D 2265
Oxidation, 100 hrs	----	7	7	psi Drop	ASTM D 942
Wheel Bearing Leakage	----	4.2	1.6	grams	ASTM D 1263
Water Washout @175°F	----	6	4	%	ASTM D 1264
Rust Test Rating	----	Pass	Pass	Pass / Fail	ASTM D 1743
Roll Stability	----	+10	+10	%	ASTM D 1831
4-Ball Wear	----	0.38	0.38	mm	ASTM D 2266
4-Ball Weld	----	250	250	kgf	ASTM D 2596
4-Ball LWI	----	40	40	kgf	ASTM D 2596
Timken OK Load	----	45	45	lbs	ASTM D 2509
Copper Corrosion	1a	1a	1a		ASTM D 4048
<b>Base Oil Characteristics</b>					
Viscosity @ 210°F	82	82	82	SUS	Calculated
Viscosity @ 100°F	950	950	950	SUS	Calculated
Viscosity @ 100°C	15	15	15	cSt	ASTM D 445
Viscosity @ 40°C	205	205	205	cSt	ASTM D 445
Viscosity Index	62	62	62		ASTM D 2270
Pour Point	0 (-18)	0 (-18)	0 (-18)	°F (°C)	ASTM D 97

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We therefore recommend you consult a FUCHS Lubricants Co. Application Engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

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