

Technical Data

TUGEAR UNIVERSAL

Heavy Duty Open Gear Grease

Description

ROCOL® TUGEAR Universal is a heavy-duty open gear grease containing a blend of high load carrying solids designed for the effective lubrication and protection of gears used in extreme environments.

TUGEAR Universal is a highly water resistant, long life grease for the lubrication of all types and sizes of open gears. TUGEAR Universal is a heavy duty, highly adhesive, lubricant ideal for extreme / arduous conditions.

Also available in aerosol form – see ROCOL TUGEAR Spray.

Applications

- Open Gears
- Girth Gears
- Rack & Pinion Gears
- Syncrolifts
- Jacking Systems
- Slew Rings
- Winches
- Joints & Couplings

Approvals

- NATO Stock number – 9150 99 701-3540 (5kg)
- NATO Stock number – 9150 99 396-0031 (18kg)
- Hyundai / Kia Group – Rail and Open Gear – GB220200108013062
- Approved for use on TTS Syncrolift

Features & Benefits

- Wide temperature range -40°C to +120°C
- Outstanding load carrying capacity, able to cope with extremely high loads with a weld load of 800Kg.
- Non melting grease
- Outstanding corrosion protection, physical and chemical protection against pitting and corrosion.
- Protects against metal wear
- Extremely adhesive, a blend of hi-tac boosters ensures staying power and preventing fling off
- Tough, tenacious, self-repairing film which maintains a lubricant film on the surface longer than conventional lubricants

Directions For Use

TUFLUBE Universal should be stored in its unopened original container.

For best practice, storage temperature should be controlled to between +1°C and +40°C.

Shelf life is 4 years from date of manufacture

The minimum application temperature for TUGEAR Universal is 0°C.

For best results apply to clean gearing.

Further Information

For pack sizes, part codes and safety data sheets please visit www.rocol.com or get in touch with our customer service team who will be happy to help: customer.service@rocol.com

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Property	Test Method	Result
Appearance	Visual	Smooth black adhesive grease
NLGI No.	IP 50 – ASTM D217	2
Base Type	N/A	Blend of high viscosity mineral oils
Base Fluid Viscosity at 40°C	IP 71	>1000cSt
Thickener	N/A	Organically modified clay
Solids	N/A	Blend of high load carrying solids
Temperature Range	N/A	-40°C to +120°C
4-Ball Weld Load	IP 239 – ASTM D2596	800kg
4-Ball Mean Hertz Load	IP 239 – ASTM D2596	120kg
Timken 'OK' Load	IP 326 – ASTM D2509	35 lbs
Mild Steel Corrosion Test 24 hrs at 100°C	N/A	No stain
Shear Stability – Roll Stability Change in Worked Penetration at 25°C	ASTM D1831	+20
Copper Corrosion Test	IP 112 – ASTM D130	1a

Values quoted above are typical and do not constitute a specification.

Issue 3 Date: 11/20

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