



Agip GR LF 0

Gear fluid grease based on natrium soap of smooth and half liquid consistence for the lubrication of not oil sealed incased gears.

Characteristics (typical figures):

Agip GR LF	Unit	0	Test method
NLGI consistence class		0	DIN 51 818
Thickener		Na	
Working temp. range	°C	-30 to + 100°C	
Drop point	°C	> 150	DIN ISO 2176
Designation		GP 0 H-30	DIN 51 826

Properties and Performance:

Agip GR LF is having a long fibre and a semi liquid structure. It has a good internal and external sealing effect to avoid losses due to leakages and also to prevent dirt and water getting inside. Due to the good adhesive properties it is not thrown off of the moving gear wheels and forms an sufficient lubricating film.

Agip GR LF is not getting thinner at all working conditions due to the high viscous base oil. Also at high loads a good adhesive lubricating film will stay in between the tooth flanks.

Agip GR LF is suitable for the transport in centralized lubricating systems.

Applications:

An oil lubrication of gear boxes is not always possible. Due to constructional reasons an sufficient sealing is not always guaranteed and there is the danger that the oil will leak out at the cage joints and shaft leadthroughs. The gear wheels would run dry. Therefore lubricants that will not leak also in vertical position of the driving shaft have to be used to ensure a safe lubrication. This is neither possible with high viscous oils nor with short fibre greases with conventional penetration. In such cases the application of a gear fluid grease is recommended.

Agip GR LF is excellently suitable for not oil tight sealed gear boxes, such as electric linkage engines, crane gears, etc. Besides it is well tried in not stationary drives or gears that are often turned, such as case gears in constructional equipment and in coal cutting and planing machines of the mining industry.

As far as possible the mixing of greases with different soap bases should be avoided since special properties could get lost.

Please observe the manufacturer's specifications when selecting products.



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Additional physical-technical data:

Agip GR LF	Unit	0	Test method
Worked penetration	0,1 mm	355 - 385	DIN ISO 2137
Yield pressure at -20°C	mbar	200	DIN 51 805
FZG-Test A/2,8/50 load stage		12	DIN 51 354 T. 2
Oxidation resistance decrease of pressure after 100h/100°C	bar	0,4	DIN 51 808
VKA Test, welding load	N	2200	DIN 51 350 T. 4
Corr. protection properties, SKF- Emcor-method	Corr.-grade	0	DIN 51 802
Corrosion effect on copper	Corr.-grade	1 bei 80	DIN 51 811
Content of solid foreign substances over 25µm	mg/kg	< 20	DIN 51 813 T.2 (mod)
Water content	weight %	< 0,2	DIN ISO 3733
Designation		GP 0 F	DIN 51 502

Specifications:

DIN 51 826
GP 0 H-30