



# AGIP FIN

AGIP FIN oils are very adhesive black-coloured mineral-based lubricants suitable for lubrication of machinery exposed to the atmosphere. AGIP FIN 332/F, 360EP/F, 3120F/6 and 3500/F may be applied cold as they are thinned with a solvent.

## CHARACTERISTICS (TYPICAL FIGURES)

AGIP FIN		304	332	332 EP	332/F
Viscosity at 100°C	mm <sup>2</sup> /s	230	242	242	240*
Flash Point	°C	205	225	225	-
Flash Point IP 170/90	°C	-	-	-	38
Flash Point COC	°C	-	-	-	>240*
Pour Point	°C	+5	+15	+15	<-9
Mass density at 15°C	kg/l	0,86	1,00	1,00	0,94
* After evaporation of solvent					

AGIP FIN		360EP	360EP/F	385	3120F/6	3500/F
Viscosity at 100°C	mm <sup>2</sup> /s	445	450*	645	>540*	<1200*
Flash Point	°C	225	-	-	235	-
Flash Point IP 170/90	°C	-	38	-	38	38
Flash Point COC	°C	-	>240*	-	-	>240*
Pour Point	°C	+30	<-9	+30	**	<-9
Mass density at 15°C	kg/l	1,01	0,96	1,02	0,96	0,96
* After evaporation of solvent						
** dropping point +40°C						

## PROPERTIES AND PERFORMANCE

- The main property of AGIP FIN 304, 332, 332EP, 360EP and 385 is their tenacious adhesion to metal surfaces, giving a permanent lubricant coating which is particularly resistant to displacement by high loads and washout by water.
- Due to their adhesion and oiliness AGIP FIN oils have good lubricating characteristics.
- AGIP FIN 332/F, 332EP, 360EP/F, 3120F/6 and 3500/F adhere tenaciously to the surfaces to which they are applied, after evaporation of the solvent.
- The presence of the solvent is especially useful when the lubricant is applied to wire ropes, as it allows penetration between the strands, leaving a uniform thin layer of highly viscous black oil after evaporation of the solvent which acts as a protective.
- Thanks to the presence of the solvent, these oils form a thinner coating than that obtained with nonsolvent thinned products, but this is still strong and highly adhesive.
- AGIP FIN 360EP, 360EP/F and 3500/F contain special additives which ensure that their lubricating characteristics are maintained even under extremely difficult working conditions, thus preventing any tendency for the parts to seize-up and weld together.



## APPLICATIONS

**AGIP FIN 304, 332, 360EP and 385** are designed for hot application to protect and lubricate large gears and wire ropes.

**AGIP FIN 304, 332, 332/F, 385 and 3120F/6** have been developed for lubrication and protection of open gears, wire ropes, springs, guides, racks and open machinery parts in general, subjected to moderate mechanical loads and thermal stresses.

**AGIP FIN 360EP, 360EP/F and 3500/F** have antiweld properties, so they are suitable for lubrication of gears subjected to higher dynamic loads.

## NOTE

**AGIP FIN /F** containing solvent are not available in all countries. It is depending from local legislation. For more information concerning their availability ask to Technical Assistance Service of your local AGIP Affiliate, Office or Branch.

## SPECIFICATIONS

**AGIP FIN** lubricants meet the requirements of the following classifications:

- DIN 51502 B (AGIP FIN 385)
- DIN 51502 B-V (AGIP FIN 3120/F and 3500/F)
- DIN 51513 BA (AGIP FIN 304)
- DIN 51513 BC (AGIP FIN 332, 332EP and 360 EP)
- DIN 51513 BC-V (AGIP FIN 332/F and 360 EP/F)
- ISO-L-CH-DIL (AGIP FIN 332/F and 3120F/6)
- ISO-L-CJ-DIL (AGIP FIN 360EP/F and 3500/F)
- ISO-L-CKH (AGIP FIN 304, 332 and 385)
- ISO-L-CKJ (AGIP FIN 332EP and 360EP)

**AGIP FIN 332/F** is approved by Danieli according to Standard 0.000.001 specification