



# AGIP GREASE LC

**AGIP GREASE LC** are special multipurpose lithium complex greases, with a very high dropping point and high stability, containing antirust, antioxidant and extreme pressure additives.  
**AGIP GREASE LC** are designed for high temperature and extreme pressure applications.

## CHARACTERISTICS (TYPICAL FIGURES)

GREASE LC		1	2
<b>NLGI consistency</b>		<b>1</b>	<b>2</b>
Worked penetration	dmm	310	270
ASTM Dropping point	°C	260	260
Oil Viscosity at 40°C	mm <sup>2</sup> /s	200	200

## PROPERTIES AND PERFORMANCE

- **AGIP GREASE LC** greases have a very high dropping point, so they are particularly suitable at elevated temperature. Due to the presence of a special antioxidant package, they have high oxidation stability and ensure unchanged lubricating properties even after a long exposure to intense mechanical loads and thermal stresses. They meet DIN 51 806 classification run A (SKF R2F 150°C).
- **AGIP GREASE LC** possess very good antirust and antiwear properties without being aggressive to yellow metal; they adhere tenaciously to the surfaces to which they are applied resisting the dislodging effect of vibrations.
- The presence of extreme pressure and antiwear additives enable these greases to form a lubricating film capable of withstanding the mechanical stresses caused by a combination of shock loading and sliding contacts. The Timken test gives for these greases an OK load of 45 lbs.
- **AGIP GREASE LC** are fortified with a special polymer that makes them particularly water resistant, so they can be used in wet environmental and in contact with water.

## APPLICATIONS

**AGIP GREASE LC** are specifically developed for applications with high temperature and extreme pressure. The application of **AGIP GREASE LC** includes lubrication of plain, ball and roller bearing and other mechanical components operating at hard conditions (couplings, paper machine bearings, rolling mill bearings) subject to elevated loadings, at the temperature range - 20 to + 150°C.

**AGIP GREASE LC** have been developed to meet special needs of steel industry, where a grease must be lubricate bearings operating at high temperature (slabbing runout tables, continuous casting furnace roller paths, etc.).

In general the **AGIP GREASE LC 1** is suitable for centralized grease system, for example for systems used on rolling mills and on the slideways of hot forming presses.



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## SPECIFICATIONS

AGIP GREASE LC greases meet the following classifications:

AGIP GREASE LC	1	2
ISO	L-X-BDHB 1	L-X-BDHB 2
DIN 51 825	KP 1 N -20	KP 2 N -20

# AGIP SP GREASE LC



Characteristics (typical value)		Method	LC1	LC2
Unworked Penetration	dmm	ASTM D 217		
Worked Penetration	dmm		310	270
60 strokes	dmm		313	280
10.000 strokes	dmm		321	-
100.000 strokes	dmm		367	295
100.000 strokes + H <sub>2</sub> O	dmm		376	336
Dropping point	°C	ASTM D 566	>260	>260
Water washout	-	ASTM D 1264	1,5	1,2
Oil separation	%p	ASTM 1742	10	3,3
Oil separation	%p	FTM 321.3	9	3
Oil separation	%p	IP 121	18	4
Roll stability	dmm	ASTM 1831	8	29
Wheel bearing	%	ASTM 1263	11	1,3
4 sfere EP max load prior to seizure	daN	DIN 51350	100	100
Welding load	daN	-	280	280
4 sfere wear/wear diameter	mm	ASTM 2266	0,44	0,44
Oxidation test 500 hours	psi	ASTM 942	10	10
SKF R2F test @ 150°C	-	-	-	pass