

The background of the entire page is a photograph of an industrial metal processing facility. In the foreground, several long, glowing orange-red metal bars are being processed on a conveyor system. Above them, large industrial structures with multiple levels and railings are visible. The scene is filled with the intense light of the heated metal, creating a high-contrast, industrial atmosphere.

# PL5

HIGH TEMPERATURE

PL5 GREASE

PL5 is upper premium quality greases which combine the unique features of a synthetic base fluid with a lithium complex soap thickener. The wax-free nature of the synthetic base fluid, together with its low coefficient of traction compared with mineral oils, provide excellent low-temperature pumpability, very low starting and running torque and can reduce operating temperatures in the load zone of rolling element bearings.

**01.**  
**Steel Mill**



**02.**  
**Conveyor Roller**



**03.**  
**Drive Roller**



**04.**  
**Iron Making**



**01 Product Description (Benefits)**

- Outstanding high and low temperature performance
- Excellent resistance to rust, corrosion and oxidation
- Reduced energy consumption (low coefficient of traction)
- Wide service temperature (-40°C ~ 180°C)
- Synthetic Oil + Lithium complex, Red

**02 Application Part**

- Automatic grease lubricator
- For heavy duty, automotive and industrial applications
- Higher speed bearing applications, such as electric motors

**03 Product Data**

Test item	Unit	Test method	Result
NLGI # Grade	Grade	ASTM D 217	2
Base Oil Viscosity, 40°C	cSt	ASTM D 445	220
Worked Penetration	0.1mm	ASTM D 217	280
Dropping Point	°C	ASTM D 2265	270
4-Ball Weld Load	kg	ASTM D 2596	250
Water Spray	% Loss	ASTM D 4049	85
Timken OK Load	kg	ASTM D 2509	20

Note : The above data constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field test with the product selected for a specific application

**04 Suggestion of Using**

Spatula, brush, lever grease guns and automatic lubricating systems

※ Storage : Recommend using within a year if the product is stored in the original closed container in a dry place

