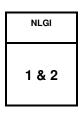
# Shell Retinax Grease HDX 1 and 2

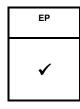
High Performance Extreme Pressure Heavy Duty Greases with Enhanced Load Carrying Capacity for Fifth Wheel Application

THICKENER	
LITHIUM	
CALCIUM	

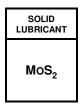


	TEMP RANGE
Ī	-10℃
	to
	+120°C

BASE OIL VISCOSITY			
40℃	100℃		
200	18.0		
cSt	cSt		







Shell Retinax Greases HDX are a very high performance greases for automotive applications subjected to the most arduous conditions. Shell Retinax Greases HDX are based on high viscosity index mineral oil and a mixed lithium/calcium soap thickener and contains extreme-pressure, anti-oxidation, anti-wear, anti-corrosion and adhesion additives. They also contain molybdenum disulphide to provide resistance to shock loading.

## **Applications**

Shell Retinax Greases HDX re recommended for the lubrication of shock loaded heavy duty bearings working in damp hostile conditions.

Particularly suited for use in off-highway applications and for the lubrication of 'fifth wheels'.

#### **Performance Features**

- Outstanding mechanical stability
   Maintains its excellent lubrication
   properties even when subjected to severe
   vibration. Prevents grease breakdown
   and leakage.
- Effective extreme-pressure properties
   Efficient lubrication of heavily loaded components
- Good adhesive properties
   In heavy load and shock conditions
- Excellent anti-wear performance under shock load conditions
   Ensures protection of key components at all times

#### **Approvals**

Shell Retinax Greases HDX contain 3% MoS<sub>2</sub>, which meets the requirements of Caterpillar and Volvo.

## **Operating Temperature Range**

From -10°C to 120°C (140°C peak)

#### Dispensing

Shell Retinax Greases HDX are suitable for dispensing through standard lubrication equipment

#### Health & Safety

Shell Retinax Greases HDX are unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained. For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

## **Advice**

Advice on applications not shown on this leaflet may be obtained from your Shell Representative

## **Pypical Physical Characteristics**

Shell Retinax Grease	HDX 1	HDX 2
NLGI Consistency	1	2
Colour	Dark grey	Dark grey
Soap Type	Lithium/ calcium	Lithium/ calcium
Base Oil (type)	Mineral	Mineral
Kinematic Viscosity @ 40 °C cSt 100 °C cSt (IP 71/ASTM-D445)	200 18.0	200 18.0
Cone Penetration Worked @ 25 °C 0.1 mm (IP 50/ASTM-D217)	310-340	265-295
Dropping Point ℃ (IP 132/ASTM-D566-76)	175	180

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

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