

# ALTIS HV 1



Grease



TOTAL

High temperature and high viscosity polyurea grease.

## APPLICATIONS

### High temperature grease

- **ALTIS HV 1** is a high temperature and high viscosity lubricating grease based on mineral oil and polyurea thickener.
- Particularly suitable for lubrication of continuous casting of blooms, wood pellets mills, and any other low speed high temperature and high load applications. If the grease is used in central lubrication system, operating temperatures up to 200°C are allowed.

### Recommendation

- Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

## SPECIFICATIONS

- ISO 6743-9: L-XBFHB 1
- DIN 51502: KP1R- 20

## ADVANTAGES

### Excellent high temperature behavior

- Outstanding high temperature behavior - Ashless thickener.

### Excellent resistance to water

- Excellent resistance to water.
- Very good adhesion to metals.
- Excellent resistance to oxidation.
- Excellent antirust and anticorrosion properties.
- Compatible with most common soaps.

### No harmful substances

- Can be easily pumped and injected in centralized systems.
- **ALTIS HV 1** does not contain lead, or other heavy metals considered harmful to human health and the environment.

TYPICAL CHARACTERISTICS	METHODS	UNITS	ALTIS HV 1
Thickener		-	Polyurea
NLGI Grade	ASTM D 217/DIN 51 818	-	1
Color	Visual	-	Yellow brown
Appearance	Visual	-	Smooth
Temperature range		°C	- 20 to 180
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	310 – 340
Dropping Point	IP 396/DIN ISO 2176	°C	> 240
4-ball Scar	ASTM D2266	mm	< 0.5
4-ball EP	ASTM D2596	Kgf	315
Water Wash-Out	ASTM D1264	% poids	< 10
SKF EMCOR Antirust performances	DIN 51 802/IP220/NFT 60-135/ISO 11007	cotation	1 max
Base oil viscosity at 40°C	ASTM D 445/DIN 51 562-1/ISO 3104/IP71	mm <sup>2</sup> /s (cSt)	500

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS  
INDUSTRIE  
30-05-2013  
ALTIS HV 1  
1/1



Ce lubrifiant utilisé selon nos recommandations et pour l'application pour laquelle il est prévu ne présente pas de risque particulier. Une fiche de données de sécurité conforme à la législation en vigueur dans la C.E. est disponible sur [www.quick-fds.com](http://www.quick-fds.com) et auprès de votre conseiller commercial.