



Industrial  
Lubricants



Automotive  
Lubricants



Biodegradable  
Lubricants



Agricultural  
Lubricants



Cleaning &  
Maintenance



Greases &  
Pastes



Foodsafe  
Lubricants



Heritage Oils



Lubrication  
Equipment



Metalworking  
Fluids



## Ultrachain Syn FPE

High Temperature Food Grade Industrial Chain Oil  
Product Code: AEL

### Product Description

Pennine Ultrachain Syn FPE is a very high temperature, high performance chain lubricant formulated using polyol ester base stocks and thermally stable additives. The product formulation ensures outstanding oxidation resistance, corrosion resistance and low friction. Ultrachain Syn FPE exhibits tremendous low volatility and high solvency leading to extended re-lubrication intervals and significantly reduced carbon deposit formation.

### Applications

Pennine Ultrachain Syn FPE is manufactured to NSF H1 approval making the product particularly suitable for use where a food quality product is required including high temperature applications such as bakery chains and other high temperature food processing applications. The product is also suitable for industrial applications where a very high temperature range product is desirable such as stove enamelling plants, kilns, heat treatment plants and high temperature paint plants. Optimum performance is achieved in applications operating between 200°C and 285°C, if used consistently above this range then the frequency of re-application should be reduced accordingly.

### Features & Benefits

- Outstanding oxidation resistance formations ~ Reduced carbon deposit
- Excellent corrosion protection ~ Increases chain life
- NSF H1 certified ~ Suitable for food grade applications
- High solvency ~ Improved chain cleanliness



Certificate Number: 9480  
ISO 9001



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### Typical Test Data

Ultrachain Syn FPE	AEL
Appearance (Visual)	Amber
Odour	Mild
Viscosity cSt (40 <sup>0</sup> C)	220
Viscosity cSt (100 <sup>0</sup> C)	19
Viscosity Index	100
Pour Point <sup>0</sup> C	-25
Flash Point (COC) <sup>0</sup> C	315
RBOT min (150 <sup>0</sup> C)	1030
4 Ball Wear (40kg, 1200rpm, 100 <sup>0</sup> C)	0.64
4 Ball Wear (40 kg, 600rpm, 200 <sup>0</sup> C)	0.48
Weight Loss % (22 hrs, 204 <sup>0</sup> C)	2.0
Weight Loss % (20 hrs, 260 <sup>0</sup> )	29
Residue % 20 hrs, 260 <sup>0</sup> C	20

### Availability

Pennine Ultrachain Syn FPE is available in 205 litre barrels, 25 litre drums and 5 litre plastic bottles.

### Storage

Barrels of lubricant should always be stored in such a way that will prevent the ingress of water when stored in the open.

### Health and Safety

Please refer to the relevant Health and Safety Data Sheet, a copy of which is freely available to all our customers.

Data represented is typical of that obtained with normal production tolerances and does not constitute a specification. The policy of Pennine Lubricants is one of continual improvement, we therefore reserve the right to change specifications without notice.



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