



# Peak Oil

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## TECHNICAL DATA

### Titan Range High Performance Synthetic Gear Lubricant



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## TECHNICAL DATA

### Titan Range

#### High Performance Synthetic Gear Lubricant

A range of high performance gear and circulatory lubricants developed by employing the very latest concepts in lubrication fluid technology.

Based on synthesised hydrocarbons and a highly sophisticated extreme pressure performance package incorporating diesters.

These fluids have been specifically designed to meet and exceed the ever increasing demands imposed by the modern high speed, high performance transmission systems, particularly when operating under severe extreme temperature and shock loading conditions. Formally approved to David Brown S1.53.106 Table H specification.

#### Performance Benefits

- ◆ *Low volatility and high oxidation stability dramatically extends service life promoting reduced equipment downtime improving production efficiency*
- ◆ *Extremely high load carrying characteristics greatly reduces wear levels even under the severest of operational conditions. Superior lubrication performance greatly reduces maintenance costs*
- ◆ *High inherent viscosity index and thermal stability greatly improves extreme temperature performance offering lubrication rationalisation*
- ◆ *Compatible with conventional mineral oils and seal materials reducing the possibility of lubricant reaction and misapplication*
- ◆ *Low energy absorption and traction coefficient greatly increases transmission efficiency notably reducing frictional losses and power consumption so lowering energy costs*



## Batoyle Freedom Group

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### Typical Physical Characteristics

Titan	32	68	100	150	220	320	460
Specific Gravity @ 15°C	0.842	0.846	0.850	0.852	0.854	0.856	0.859
Kinematic Viscosity @ 40°C (cSt)	32.0	68.0	100.0	150.0	220.0	274.0	434.0
Kinematic Viscosity @ 100°C (cSt)	6.0	10.54	14.43	19.53	25.70	31.78	42.10
Viscosity Index	136	144	149	151	148	149	148
Flash Point (COC) °C	>200	>200	>200	>200	>200	>203	>203
Pour Point °C	-45	-45	-43	-40	-36	-33	-30
Appearance	Light Blue Coloured Liquids						

### Health and Safety

These grades are PAO based fluids and do not represent any significant health hazard. However, these products should be handled according to good standards of industrial hygiene. Further detailed information is available on request.

### Storage

Drums should be stored on their sides in a clean dry place and protected from extremes of temperature, store >5°C.

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### **Performance Specifications**

#### **Industrial Gear:**

David Brown	S1.53.106 Table H
AGMA 250.04	US Steel 224
Timken OK Load	FZG
4 Ball EP (ASTM D2783)	4 Ball Weld (IP239)

#### **Corrosion Protection:**

Rust ASTM D665A and B	Copper ASTM D130
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#### **Oxidation and Thermal Stability:**

ASTM D943 (TOST)	ASTM D2893
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#### **Demulsibility:**

ASTM 1401

#### **Note:**

Although Titan grades will mix with mineral oil based products, this practice is not recommended, as a reduction in overall performance will result. These products are not miscible with other synthetic fluids such as glycols and phosphate esters.

*The information given is correct to the best of our knowledge. It is offered in good faith but without guarantee as the conditions and methods of use of our products are beyond our control.*