# **PRODUCT DATA**

### **SAF-XA 80W-140**

### PRODUCT DESCRIPTION

**Castrol SAF-XA** is a full synthetic SAE 80W-140 GL-5 limited slip differential oil. It has excellent oxidation stability and high temperature deposit control while retaining wear protection performance. The formulation incorporates the preferred limited slip additive, Sturaco 7098, for Ford and Holden limited slip differentials at the maximum recommended treat.

### PRODUCT APPLICATION

**Castrol SAF-XA** is primarily intended for use in rear axles for Ford Falcon and Holden Commodore high performance models. It contains the preferred limited slip additive and at the maximum concentration recommended by additive suppliers.

**Castrol SAF-XA** is suitable for the following applications.

- Both limited slip and non-limited slip hypoid axles.
- For vehicles towing caravans or heavy trailers.
- Covers rear axle viscosity range from SAE 80W to SAE 140.

### **PRODUCT FEATURES & BENEFITS**

Product Feature	Operational Advantage	Customer Benefit		
Improved oxidation stability.	Longer oil service life.	Lower ownership costs.		
Improved deposit control at	Cleaner axle internals.	Improved axle durability in		
high temperatures.		severe applications.		
Contains preferred limited slip	Good LSD noise control.	Quiet LSD axle.		
additive.				
Limited slip additive at	No additional additive required	Less cost, easier servicing in the		
maximum treat.	when axle filled.	field.		
Excellent wear control.	Long component life.	Long equipment life.		
Proven components used in	Good seal compatibility.	Cleaner components, longer		
formulation to ensure seal		seal life.		
compatibility.				
Shear stable formulation.	Stable viscosity in service.	Long term bearing protection.		



### TYPICAL CHARACTERISTICS

SAE Grade	KV @ 40°C (cSt)	KV @ 100°C (cSt)	Brookfield @ -26°C (cP)	Viscosity Index	Pour Point (°C)	Closed Flash Point (°C)	API GL Rating
80W-140	260	29.25	60,000	150	<-40	>200	5 (6 OBS)

The above data is typical and does not constitute a specification.

### **PERFORMANCE LEVELS**

**Castrol SAF-XA** is recommended where these current or superseded specifications or performance levels are cited:

API: API GL-5, 6

SAE 80W-90, 85W-90, 90, 80W-140, 85W-140 and 140

MIL MIL-PRF-2105E, MIL-L-2105D

SAE: J2360 Spicer: 5M-48

Holden: HN2040, 1561 Ford: M2C-119A, M2C-104

## CAUTION Using Castrol SA

Using **Castrol SAF-XA** in synchronised manual transmissions may result in loss of synchroniser performance. Contact the Castrol Technical Advice Line on 1300 557 998 for an alternative recommendation for such applications.

**Castrol SAF-XA** is **NOT** compatible with glycol based gear oils.

**Castrol SAF-XA** contains the maximum recommended treat of Sturaco 7098 for limited slip differential performance. **No** further Sturaco 7098 should be added.

### **Change Over Procedure**

Drain and change from mineral gear oils to Castrol SAF-XA.

As **Castrol SAF-XA** is compatible with normal mineral gear oils, extensive flushing is not usually required. For optimum performance of **Castrol SAF-XA**, the following advice is offered. Where differential has been subjected to high operating temperatures the system should be flushed with clean gear oil. Either mineral (Castrol LSX 90, GO-J90 or LSX 85W-140) or preferably **Castrol SAF-XA**.

Draining the old oil while still warm, then refilling with fresh gear oil and then working the vehicle for at least one to two hours achieves the most effective flushing. Then drain and refill with **Castrol SAF-XA** making sure the differential is refilled to the correct level.

**NOTE:** Although **Castrol SAF-XA** is compatible with mineral oils, topping up with mineral oils will **reduce** some of the performance advantages and protection of **Castrol SAF-XA**.



### **HEALTH, SAFETY & ENVIRONMENT**

**Castrol SAF-XA** is considered non-hazardous according to Worksafe. However, in line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data sheet be followed.

### **Spillage**

**Small:** Soak up using an inert mineral adsorbent such as Castrol MOP S and

dispose of in the appropriate manner.

**Large:** Corrective action usually dictated by individual company safety

procedures. Immediate containment and subsequent removal is

essential.

**Disposal:** Oily materials must not be allowed to enter groundwater, watercourses,

sewerage or drainage systems. Refer to local Waste Disposal Authority

for legal requirements.

### **Product Removal**

**Bare Metal Surfaces:** Remove with Castrol solvent cleaners or water based degreasers.

**Hand Cleaning:** Use any of the Castrol range of hand cleaners, e.g. CareClean Plus.

**Other Surfaces:** Contact the Castrol Technical Advice Line on 1300 557 998.

Although all reasonable care has been taken to ensure that the information contained in this publication is accurate as at the time of printing, such information is nevertheless liable to variation in the event of changes occurring subsequent to the date of printing it: the blend formulation, methods of storage, or due to the improper handling or application of any of the products referred to, or in the requirements of any specification or approval relating to any of the products.

For more information contact: Castrol Lubricants (A Business Division of BP Australia Pty Limited - ABN 53 004 085 616) Technical Advice Line: 1300 557 998

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