Product data

SAF-XO & SAF-XJ

PRODUCT DESCRIPTION

Castrol SAF-XO and SAF-XJ are synthetic multigrade rear axle fluids incorporating Castrol's most advanced transmission fluid technology. It is designed to provide superior protection at both low and high operating temperatures where conventional mineral oils prove unsatisfactory.

Castrol SAF-XO and SAF-XJ are lubricants of especially high oxidation stability and excellent pumpability. The superior pumpability of Castrol **SAF-XO and SAF-XJ** are carefully formulated to ensure good seal compatibility with both conventional mineral oil seal materials and newer synthetic only seal materials.

PRODUCT APPLICATION

Castrol SAF-XO is recommended for the following applications:

- BMW rear axles fitted with conventional (non-limited slip) differentials
- MAN approved for truck and bus rear axles
- ZF approved for commercial vehicle hypoid axles
- Passenger car and commercial vehicle axles that specify API G-L5 and SAE 75W-90, 80W-90 or 90.
- BMW recommend rear axle oils be replaced every two years. Although Castrol SAF-XO and SAF-XJ are compatible with mineral oils, addition of mineral oil will reduce the performance and protection of both products. Mineral oil should only be added if the recommended Castrol SAF-XO and SAF-XJ Synthetic oil is not available.

Castrol SAF-XJ is recommended for the following applications:

- BMW car rear axles equipped with limited slip differentials.
- Light commercial vehicles and four wheel drive axles fitted with limited slip differentials

PRODUCT FEATURES AND BENEFITS

Product Feature	Benefits
Excellent high temperature, high load performance	Maximum protection against wear and noise even at continuous hig temperatures, loads and speeds
Shear stable	Extremely shear stable, ensuring that its excellent properties are retained over very long service periods
Reduced operating temperature	Under high loads and severe conditions it can reduce axle temperatures which increase life of gears, bearings and seals
Low friction	Improved axle efficiency offering potential fuel economy improvements
Compatible with normal mineral gear oils and seals	May be used in place of mineral gear oils without the need for seal changes or extensive flushing procedures

TYPICAL CHARACTERISTICS

	Density @ 15°C	KV @ 40°C (cSt)	KV @ 100°C (cSt)	Brookfield viscosity @ -40°C (cP)	Viscosity Index	Pour Point (°C)	Foaming Tendency (mL)
SAF-XO	0.858	100	15.2	42,900	160	-57	0/10/0
SAF-XJ	0.861	177.2	25.0	140,000	174	-54	0/5/0

PERFORMANCE SPECIFICATIONS

Specifications	SAF-XO	SAF-XJ
API	GL-5	GL-5
SAE	75W-90	75W-140
BMW	Conventional axles	Limited slip axles
BTR (Eng)	-	5M-48
US Military	MIL-L-2105D	MIL-L-2105D

Note: Neither **Castrol SAF-XO or SAF-XJ** are recommended for synchronised manual transmissions

Health, Safety and Environment

Castrol SAF-XO and SAF-XJ are considered non hazardous according to Worksafe. However, in line with safe standards 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 absorbent such as Castrol MOP 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 ground water, water courses, 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 your local Non-Oil Products Division in each State Office.

Although all reasonable care has been taken to ensure that the information 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 in: the blend of 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.

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