



# SHELL CAPRINUS<sup>®</sup> OILS XS

## High performance, zinc-free & chlorine-free railroad engine oils

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### Product Description

Shell Caprinus<sup>®</sup> Oils XS are 17 TBN high quality, zinc-free, and chlorine-free railroad engine oils made with OLOA 2000. Shell Caprinus<sup>®</sup> Oils XS are available in SAE 40 and SAE 20W-40 viscosity grades.

### Applications

- suitable for medium speed two-cycle and four-cycle railroad diesel engines, including EMD and General Electric
- other similar diesel engines used as auxiliary or main engines in marine service or as switching locomotives
- stationary engines requiring oils with API CD (obsolete) level performance

### Features/Benefits

- formulated with OLOA 2000 additive system that is both zinc free and chlorine free
- provide good engine cleanliness
- good retention of Total Base Number (TBN) provides extended oil drain interval capability

### Approvals and Recommendations

- ElectroMotive Division of General Motors (EMD)
- General Electric as Generation 4 Long Life Oils
- Locomotive Maintenance Officers Association (LMOA) Generation 5
- API CD (obsolete)

### Typical Properties of Shell Shell Caprinus® Oils XS

	Test Method	SAE Grade	
		40	20W-40
Product Code		54798	54799
Gravity, °API	D 1298	24.9	26.5
Viscosity:			
@ 40°C, cSt	D 445	180	140
@ 100°C, cSt	D 445	15.0	15.5
Viscosity Index	D 2270	97	114
Flash Point, COC, °C (°F)	D 92	246 (480)	222 (475)
Pour Point, °C (°F)	D 97	-21(-5)	-18 (0)
Neutralization No, TBN-E	D 2896	17	17
Sulfated Ash, wt%	D 874	1.9	1.9
Zinc, ppm	X-ray	NIL	NIL

### Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>