

## TECHNICAL DATA SHEET



# SAE 15W-40 MAGNUM HIGH TBN LONG DRAIN TRUCK OIL

PRODUCT # 10068,10075,10076, 10077,  
10078, 10079, 10138, 10175

Meets or exceeds API CI-4, CH-4, CG-4, CF-4, CF/SL

### TEST

### ASTM

### TYPICAL

API Gravity		27.0
Specific Gravity @ 60°F	D-1298	.8927
Density @ 60°F LBS/US Gal	D-1298	7.434
Viscosity @ 40°C cSt	D-1298	130.0
Viscosity @ 100°C cSt	D-445	16.0
Viscosity Index	D-445	131
Total Base Number		13.0
Flash Point, COC °F	D-92	435
Pour Point, °C	D-97	-15
Zinc - Wt %		.14
Sulfated Ash		1.58

Lucas High TBN SAE 15W-40 Truck Oil is a blend of high quality base oils and an additive package that allows extended drain intervals and a much higher degree of protection from metal to metal contact. This product is excellent for gasoline engines.

The user can expect the following:

1. **EXTENDED DRAIN INTERVALS--UP TO TWICE AS LONG.** After 20,000 miles, sample oil every 5,000 miles to determine maximum oil life for each particular engine.
2. **ELIMINATION OF DRY STARTS.** The exclusive additive package ensures a protective film on parts at all times.
3. **LOWER OPERATING TEMPERATURES.** Normal oil temperature will be lower but more importantly, the additive film in Lucas SAE 15W-40 will not rupture in an over-heating situation.
4. **EXTENDED PROTECTION FROM FUEL DILUTION.** The additive package is more resistant to break down from the solvents in diesel fuel than common additive packages found in regular 15W-40 blends.
5. **HIGH DETERGENT ACTION.** Motor oil is usually changed because it's contaminated with combustion by-products, not because it's worn out. The high detergent action of Lucas SAE 15W-40 allows up to twice as much contamination to be held in suspension and still have good lubrication qualities.
6. **A HIGHER DEGREE OF LUBRICITY.** The slicker the oil, the easier the engine starts and the easier it runs.
7. **HIGHER OIL PRESSURE.** This means more protection and more cooling.
8. **LESS OIL CONSUMPTION.** The low volatility of Lucas SAE 15W-40 Truck Oil makes it harder to burn. The thicker oil film makes it harder for the oil to get past the rings to the combustion chamber.
9. **MORE PROTECTION FOR OLDER ENGINES.** Common engine oils are formulated for the tolerances of new engines only. The extra additives coat the parts with a heavy film that compensates for the extra space between the moving parts in older engines.
10. **EXTENDED PROTECTION FROM OXIDATION.** Oxidation is the subtle killer that often finishes off worn engines. Lucas controls this in three ways: (1) It coats the cylinder walls to slow oil burning (2) Also slows the rate of blow-by, and (3) The extra detergent additives keep the combustion acids separated much longer.
11. **QUIETER, SMOOTHER OPERATION.** By providing extra cushion to the moving parts a degree of "knock" is eliminated. This factor can be greatly appreciated by operators of cars and small trucks with diesel engines.