



A HOLLYFRONTIER BUSINESS

TECH DATA SENTRON™ SP 30

PREMIUM STATIONARY GAS ENGINE OIL

INTRODUCTION

Petro-Canada Lubricants SENTRON SP 30 is an advanced performance SAE 30 Stationary Gas Engine Oil (SGEO) that is formulated with the latest additive technology in Petro-Canada Lubricants' ultra-pure, very high viscosity index base oil. The use of this specialty base oil in combination with highly advanced additive technology provides a performance level that is unachievable with conventional gas engine oils including modern premium performance products.

SENTRON SP 30 offers superior thermal and oxidation/nitration stability, resulting in extended oil life, reduced acid formation, and outstanding resistance against deposit and sludge formation. In this way, SENTRON SP 30 helps keep the engine clean and prevent wear of critical components such as piston rings and liners. This results in increased engine durability and extended component lifetime.

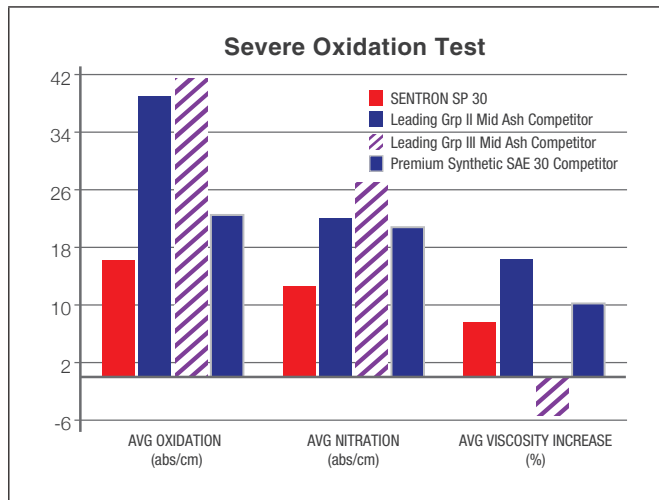
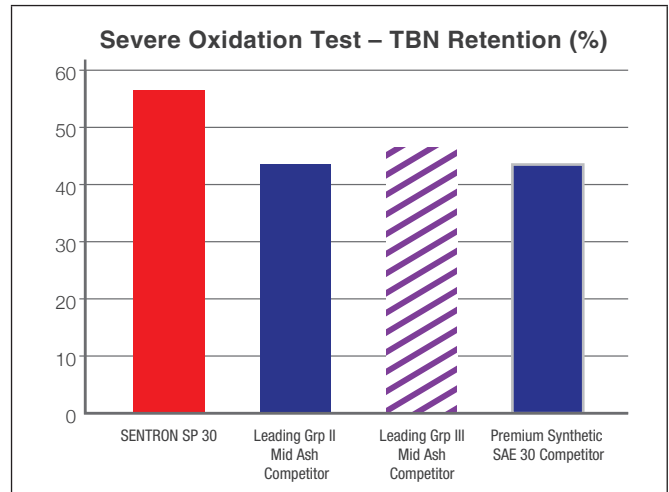
SENTRON SP 30 fits into the SAE 30 viscosity class. SAE 30 offers many advantages over a traditional SAE 40 class oil, such as improved fuel efficiency, potentially reduced oil consumption, faster engine start up and faster lubrication of critical parts after engine start up, such as valve guides and bearings. The very high viscosity index of the base oil ensures adequate oil film thickness at both low and high oil temperatures. Thus, SENTRON SP 30 helps to increase engine durability and extend component lifetime in varied operating conditions such as frequent start/stops, low as well as high operating temperatures.

SENTRON SP 30 is a medium ash oil that uses the latest additive technology, offering benefits in the form of better exhaust valve seat protection, increased detergency for improved engine cleanliness and ample acid neutralization, protecting the engine better and extending the oil drain intervals.

FEATURES AND BENEFITS

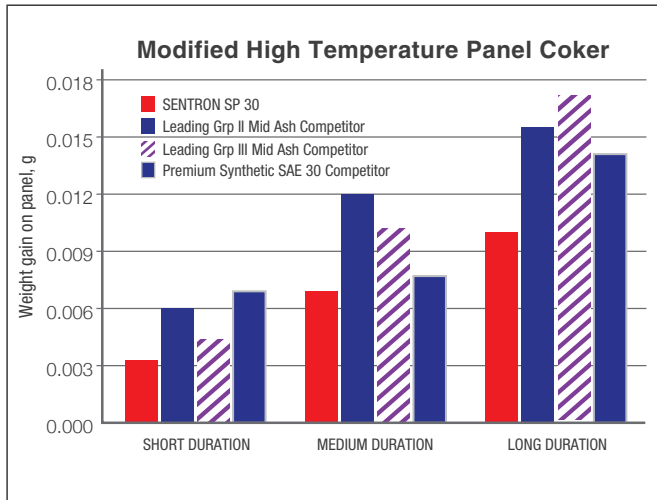
Significant extended oil life

- Significant resistance against oxidation/nitration, viscosity increase and exceptional alkalinity retention. SENTRON SP 30 has the potential to significantly extend drains over premium high performance gas engine oils. This exceptional oil life means longer drain intervals and less oil disposals, which helps reduce operating costs, improving engine productivity and reducing environmental footprint.



Outstanding protection against deposit formation

- Reduces combustion chamber, ring land, and ring groove deposits, which maximizes engine efficiency, engine durability and engine reliability.



Excellent wear protection

- Its high level of anti-wear performance, improved lubrication during start up and better cleanliness reduces wear of piston rings, cylinder liners, bearings, and valve train components, which prolongs service interval, engine durability and component lifetime. In an MAN E3262 E302 engine under controlled Research & Development test conditions, SENTRON SP 30 resulted in faster lubrication of critical components such as valve guides in the cold start compare to SAE 40 stationary gas engine oils.

Improved Fuel Efficiency

- SENTRON SP 30 has provided 0.8-0.9% reduction in fuel consumption over SAE 40 stationary gas engine oils in an MAN E3262 E302 engine under controlled Research & Development test conditions.*

Low oil consumption

- Exhibits low volatility, a performance characteristic that helps reduce oil consumption which results in reducing oil top ups and extending catalytic converter life.

APPLICATIONS

SENTRON SP 30 is an advanced-performance specialty stationary gas engine oil, specially formulated for high brake mean effective pressure (BMEP) engines. It is suitable for use in 4-stroke engines operating under high loads and, high and low temperature conditions. SAE 30 stationary gas engine oil demand is increasing for emergency power generation and flexible peak power generation applications where an SAE 30 can help for a quick start. SENTRON SP 30's 0.70 wt% Sulfated Ash content means that this product fits within the medium ash specifications.

*Fuel efficiency improvements can vary under different applications and operating conditions.



Engine parts after 5793 running hours on SENTRON SP 30

TYPICAL PERFORMANCE DATA

Property	ASTM Test Method	SENTRON™ SP 30
Ash Type	-	Mid Ash
Sulfated Ash, wt%	D874	0.70
SAE Grade	-	30
Flash Point, COC, °C / °F	D92	241 / 466
Kinematic Viscosity cSt @ 40°C cSt @ 100°C	D445	73.86 10.65
Pour Point, °C / °F	D5950	-42 / -44
Total Acid Number, mg KOH/g	D664	0.66
Total Base Number, mg KOH/g	D2896	6.5
Elemental analysis by ICP, %Ca %P %Zn	D4951	0.1900 0.0274 0.0335
Sulfur, wt%	D4294	0.217

The values quoted above are typical of normal production. They do not constitute a specification.

Learn more about us: lubricants.petro-canada.com

Contact us: lubecsr@petrocanadalsp.com

Committed to the disciplined operation of our business.



Petro-Canada Lubricants Inc.

2310 Lakeshore Road W. Mississauga, Ontario, Canada L5J 1K2

lubricants.petro-canada.com

™ Owned or used under license.
IM-8175E (2021.02)