



## SENTRON™ VTP STATIONARY GAS ENGINE OIL

### Introduction

Petro-Canada™ Lubricants' SENTRON™ VTP 0W-30 and 10W-40 are low ash multi-grade stationary gas engine oils (SGEOs) that provide extended protection to natural gas fuelled engines in heavy oil extraction where an oil having increased zinc additive is required to control valve train wear. SENTRON VTP 10W-40 PLUS is a premium quality mid ash SAE 10W-40 multi-grade natural gas engine oil specifically designed for stationary gas applications that need additional anti-wear characteristics.

SENTRON VTP 0W-30 is specially designed to provide low temperature performance in extreme cold winter conditions faced by engines that are in unheated areas. It can also provide all season reliability in lower load engines resulting in product reliability and inventory consolidation.

SENTRON VTP 10W-40 is designed to aid starting in cold winters while retaining protection in severe service in hot weather.

SENTRON VTP 10W-40 PLUS is specifically designed to aid gasoline converted engines to stationary gas engines that need additional anti-wear characteristics due to the valve train, and/or for engines where extreme improved low temperature performance benefits are desired due to cyclic engine on-off cycles.

SENTRON VTP multi-grade natural gas engine oils are formulated with Petro-Canada Lubricants' ultra pure HT Severely Hydrocracked base oils and advanced additive technology to provide customers with extended drain intervals, reduced oil consumption, and prolonged wear protection at a wide range of temperatures, which all leads to reduced overall operating costs.

### Features and Benefits

- **Potential to extend drain intervals and lower oil consumption which may reduce maintenance costs and provide customer savings**
  - SENTRON VTP 10W-40 has robust high temperature / high shear viscosity at 150 °C to reduce wear
  - Low volatility to control oil consumption
- **Wide operating temperature range controls operating costs**
  - Allows low temperature starting to reduce lost production time
  - Reduces seasonal change-outs to lower inventory carrying costs
  - SENTRON VTP 0W-30 allows low temperature starting down to -35 °C
- **Outstanding anti-wear protection**
  - Excellent high and low temperature wear control to protect equipment
  - Optimized oil ash content to improve spark plug and head life

#### What is the HT difference?

Petro-Canada Lubricants starts with the HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



## Applications

**SENTRON VTP 0W-30** formulation is specifically designed as an all season solution for lower load, small to mid-sized engines that are difficult to start in severe cold weather conditions. It provides low temperature performance down to -35 °C as well as excellent cleanliness and control of valve deposits.

**SENTRON VTP 10W-40** is recommended for use in natural gas fuelled engines in heavy oil extraction and irrigation. SENTRON VTP 10W-40 is suitable for use in applications where Cummins CES 20074-2012 is specified. DURON GEO LD 15W-40 is approved against Cummins CES 20092 and back-serviceable to 20086 as well as API CK-4/SN (and a host of other OEMs) and should be the primary choice in mobile fleet applications. For more information, see the DURON GEO LD TechData.

**SENTRON VTP 10W-40 PLUS** is recommended for applications such as smaller remote gas well head engines and gas line booster engines that are low emission. Please note that it is NOT suitable for some engines with catalytic converters due to higher Zn/P Sulphur.

## Operational Considerations

SENTRON VTP 0W-30, 10W-40 and 10W-40 PLUS with excellent control of wear provide worry-free operation and reduced cost to customers under recommended conditions. Due to their additive content, they are only recommended for use in certain catalyst service. Please consult your Technical Services Advisor for further information. Actual oil life is dependent upon system design and operating practices. Petro-Canada Lubricants' No Nonsense Lubricants Warranty applies.

## Typical Performance Data

PROPERTY	ASTM TEST METHOD	SENTRON VTP 0W-30	SENTRON VTP 10W-40	SENTRON VTP 10W-40 PLUS
Ash Type	-	Low Ash	Low Ash	Medium Ash
Sulphated Ash, % wt	D874	0.58	0.59	0.68
Viscosity Index	D2270	176	157	150
Flash Point, COC °C/°F	D92	239/462	245/473	231/448
Kinematic Viscosity, cSt @ 40 °C cSt @ 100 °C SUS @ 100 °F SUS @ 210 °F	D445	62.1	101	104.1
		11.2	15.1	14.9
		313	542.4	-
		64.4	81.9	-
High Temperature / High Shear Viscosity, cP@150 °C		3.06	3.91	3.98
Cold Cranking Viscosity, cP@°C		5225 @ -35	5671 @ -25	6098 @ -25
Pour Point, °C/°F	D5950	-45/-49	-42/-44	-45/-49
Total Acid Number	D664	1.83	1.93	1.97
Total Base Number	D2896	4.80	3.97	4.2
Elemental analysis by, % P	D4951	0.069	0.067	0.098
Elemental analysis by, % Zn		0.082	0.080	0.103

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

To order product or to learn more about how Petro-Canada Lubricants can help your business visit: [lubricants.petro-canada.com](http://lubricants.petro-canada.com) or contact us at: [lubecsr@petrocanadalsp.com](mailto:lubecsr@petrocanadalsp.com)



IM-8012E (2019.10)

™ Owned or used under license



Beyond today's standards.™

LUBRICANTS