

Irriflex[®] Stationary Irrigation Engine Oils



Low Ash Oils for Stationary Natural Gas or LP Irrigation Engines

General Description

Irriflex[®] Stationary Irrigation oils are a low ash, high quality oil specially formulated for use in, natural gas and LP engines where a low amount of metallic ash forming components are critical, such as irrigation engine applications.

Some engines, whether due to operating conditions, engine design or the particular fuel used, tend to accumulate excessive ash deposits when typical heavy duty or passenger car engine oils are used. The ash related deposits that form are usually on the valves or in the ring belt area and may lead to shortened engine life. Irriflex Irrigation engine oils are formulated with high quality base oils and a premium additive system designed to control wear, deposits, oxidation and nitration.

Irriflex is a low-ash engine oil formulated with increased zinc for added wear protection of the valve train in gasoline converted engines.

Expect Excellent Performance In

Stationary Irrigation engines, natural gas or LP fueled engines under constant speed and load, or converted high speed, high torque irrigation engines requiring low ash SF/CC formulations.

Some non-stationary applications

Features and Benefits

- **Deposit control:** Oxidation inhibitors and detergents that control deposits minimize maintenance and maximize engine life.
- **Flexibility:** Irriflex can be used in mobile as well as stationary applications with various fuels (LP and natural gas) to reduce inventory and avoid misapplications.
- **Detergents:** Detergents help neutralize contaminants and reduce deposits.
- **Antiwear Protection:** Reduces wear, protecting highly loaded engine parts.

Irriflex[®] Stationary Irrigation Engine Oils

Low Ash Oils for Stationary Natural Gas or LP Irrigation Engines

Typical Application

Irriflex Stationary Irrigation Engine Oils are recommended when the engine manufacturer requires the use of low-ash oils meeting API Service Classifications SF or CC. The multigrade versions (SAE 20W-40) are designed for a wide ambient temperature range.

Typical Customer

- Owners/operators of:
- Natural Gas or LP fueled irrigation engines.
 - Older IH and other tractors requiring the use of low ash engine oil.
 - LP Engines found in Forklifts

Typical Properties

Property	Irriflex			
	20W-40	30	40	50
API Gravity / lbs./gal.	29.9 / 7.30	29.6 / 7.31	29.5 / 7.32	29.6 / 7.31
Flash Point, °F	444	419	446	455
Viscosity cSt @ 40°C	122	104	126	163
cSt @ 100°C	14.3	12.1	13.8	17.8
Viscosity Index	117	107	106	120
CCS Viscosity cP @ -15°C, max.	5,700	-	-	-
Pour Point, max. °F / °C	-25 / -32	-27 / -33	-5 / -20	0 / -18
Total Base No. (TBN)	5.2	5.2	5.2	5.2
Sulfated Ash, %wt	0.5	0.5	0.5	0.5

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit www.cenex.com.