



Irriflex[®]



Low-Ash Oils for Stationary Natural Gas or LP Irrigation

General Description

Irriflex[®] stationary irrigation engine oils are a low-ash high quality lubricants specially formulated for use in stationary natural gas and LP irrigations engines, where a low amount of metallic ash forming components are critical.

Due to operating conditions or engine design, some engines accumulate excessive ash deposits when lesser quality heavy duty or passenger car engine oils are used. These ash deposits typically form on the valves or in the ring belt area and lead to shortened engine life. Irriflex is formulated with high quality base oils and a premium additive system designed to prevent wear, control deposits, minimize oxidation and nitration. The advanced additive package contains increased amounts of zinc for added wear protection of the valve train in gasoline converted engines.

Expect excellent performance in these applications:

Stationary irrigation engines, natural gas or LP fueled engines under constant speed and heavy load, or converted high speed, high torque irrigation engines requiring low ash SF/CC formulations. Irriflex is also applicable in some non-stationary engines.

Features and Benefits

- **Deposit control:** Formulated with enhanced oxidation inhibitors and detergents that control deposits and maximize engine life.
- **Application Flexibility:** Irriflex can be used in both mobile and stationary applications with various fuels (LP and natural gas) to reduce inventory and avoid misapplications.
- **Detergents:** The added detergents neutralize contaminants and reduce harmful deposits.
- **Anti-wear Protection:** Reduces wear, protecting highly loaded engine parts from metal-on-metal contact.

Always follow your equipment's manufacturer's recommendation for viscosity grade and service classification.

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Typical Applications

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 multi-grade version (SAE 20W-40) is designed for a wide ambient temperature range.

Typical Customers

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

SAE Grade	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	195
Viscosity cSt @ 100°C	14.3	12.1	13.8	18
Viscosity Index	117	107	106	101
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 cenex.com/sds-library.