

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.

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.

Irriflex® Stationary Irrigation Engine Oils

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

Total Protection Plan™ Warranty

Irriflex Stationary Irrigation Low Ash Engine Oil is backed by the Total Protection Plan warranty program (3 years/7,000 hours coverage) for irrigation engines. See the warranty program for complete details.

Health & Safety:

A complete material safety data sheet is available upon request. Used motor oil contains combustion by-products that may be harmful. Avoid prolonged or repeated skin contact. Wash clothing and exposed areas with soap and water. Don't pollute - return used oil to a collection center.

Typical Properties

Property	Irriflex			
	20W-40	30	40	50
API Gravity	28.6	28.6	28.4	28.6
Flash Point, °F	444	419	446	455
Viscosity				
cSt @ 40°C (SUS)	124 (575)	112 (519)	122 (565)	195 (903)
cSt @ 100°C (SUS)	14.0 (74)	12.0 (66)	12.7 (69)	17.4 (88)
Viscosity Index	111	96	96	96
CCS Viscosity cP @ -15°C, max.	9,500			
Pour Point, max, °F	-25	-17	-5	0
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.

The chart on the following page lists the recommended oil for each manufacturer.