

**Supplement
For
Compressor Lubrication
(All Season T30 Select ® Synthetic Lubricant)**

NOTICE

Synthetic lubricants such as All Season T30 Select have a detergent action and may dissolve or break loose existing deposits in used compressors and compressed air systems.

You must be certain that the downstream components of your compressed air system will not be damaged by the action of this lubricant, as this lubricant is not compatible with certain materials.

Please refer to the material compatibility table.

If there are any materials present downstream in your compressed air system that are not included in the material compatibility table, we urge you to contact your local Ingersoll-Rand distributor for information.

DESCRIPTION

All Season T30 Select is an all-temperature diester synthetic lubricant. The benefits of All Season T30 Select are as follows:

- 1). Reduces wear and eliminates much of the carbon build-up found when some petroleum-based lubricants are used. This elimination increases compressor efficiency and significantly decreases maintenance and downtime.
- 2). All-temperature blend provides more consistent viscosity and protection in high and low operating temperatures.
- 3). Faster splash lubrication to moving parts and less cranking resistance at operating temperatures below 40°F (4.4°C).
- 4). May be used reliably in operating temperatures that are consistently below 30°F (-1.1°C).

APPLICATION

All Season T30 Select is recommended for Type 30 standard and high pressure reciprocating air compressors. It is not recommended for aluminum units, vacuum pumps, CNG units or non-lube units.

CRANKCASE HEATERS

While providing exceptional lubrication at normal and high operating temperatures, All Season T30 Select is formulated to be used in low operating temperatures as well. Depending on model and prevailing voltage conditions, some compressors may require the occasional use of crankcase heaters in operating temperatures below 30°F (-1.1°C). If your compressor has difficulty starting in

temperatures below 30°F (-1.1°C), a crankcase heater may be required. Contact your nearest Ingersoll-Rand Full Service Distributor for more details.

WARRANTY

A two-year warranty is available for Type 30 two stage cast iron bare compressor pumps that run solely on All Season T30 Select from start-up through an entire two-year period. Models 2340, 2475, 2545, 7100, 15T and 3000 that are operated solely on All Season T30 Select brand synthetic lubricant will have their bare compressor pump warranted for a period of twenty-four (24) months from the date of initial operation or thirty (30) months from the date of shipment, whichever shall occur first.

The extended warranty applies only to Type 30 two stage cast iron bare compressor pumps. Motors, receivers and any other package components do not qualify for extended warranty.

The extended warranty does not apply to Type 30 single stage models, high pressure models or 6R models.

NOTE: Proof of All Season T30 Select purchase may be required with warranty claim.

ALTERNATE LUBRICANTS

WARNING



Fire or explosion hazard!

Do not use alternate lubricants that fail to meet minimum flashpoint and auto-ignition temperature requirements.



Use of improper lubricants result in coking (carbon deposits) which can block heat exchangers, discharge lines, compressor valves, safety/relief valves and control lines and result in a fire or explosion which can cause severe injury or death.

Certain petroleum-based lubricants may be used in most Type-30 model compressors provided they are premium-quality, non-detergent lubricants containing only rust, oxidation, and anti-foaming inhibitors. Substitute lubricants must have a flashpoint of 440°F (227°C) or higher and an auto-ignition point of 650°F (343°C) or higher.

BREAK-IN PROCEDURES

NOTE: These break-in instructions apply only to Type 30 single and two stage cast iron air compressor models. High pressure and 6R models require a 100-hour break-in with petroleum-based lubricant only.

1). Fill the crankcase with All Season T30 Select. Refer to your instruction manual for crankcase capacity.

2). On used compressors that have been converted to All Season T30 Select, operate the compressor for approximately 200 hours, then inspect. If necessary, clean the compressor inlet and discharge valves.

NOTICE

Used compressors must be decarbonized before converting to All Season T30 Select.

For revised valve maintenance and lubricant change intervals, refer to the routine maintenance table.

COLD WEATHER STARTING _____

When using All Season T30 Select in temperatures below 30°F (-1.1°C), always follow these starting procedures.

- 1). Release all pressure from receiver and all associated tubing and components. Pull the rings on all relief valves.
- 2). Start the compressor.
- 3). If compressor has difficulty starting, crankcase heaters may be required.

Table 1. All Season T30 Select Material Compatibility.

Suitable	Not Recommended
Viton®	Neoprene
Teflon®	Natural Rubber
Epoxy (Glass Filled)	SBR Rubber
Oil Resistant Alkyd	Acrylic Paint
Fluorosilicone	Lacquer
Fluorocarbon	Varnish
Polysulfide	Polystyrene
2-Component Urethane	PVC
Nylon	ABS
Delrin®	Polycarbonate
Celcon®	Cellulose Acetate
High Nitrile Rubber (Buna N. NBR more than 36% Acrylonitrile)	Low Nitrile Rubber (Buna N. NBR less than 36% Acrylonitrile)
Polyurethane	EPDM
Polyethylene	Ethylene Vinyl Acetate
Epichlorohydrin	Latex
Polyacrylate	EPR
Melamine	Acrylics
Polypropylene	Phenoxy
Baked Phenolics	Polysulfones
Epoxy	Styrene Acrylonitrile (San)
Modified Alkyds	Butyl
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Table 2. Routine Maintenance Schedule with use of All Season T30 Select.

Model	Procedure (performed with air inlet filter change)
Type 30 single and two stage cast iron air compressor models	2000 hours / 1 year lubricant change and valve inspection (cleaning)
NL (non-lube) models	<i>Synthetic not approved (Use petroleum-based lubricant such as XL-300)</i>
Vacuum pump models	<i>Synthetic not approved (Use petroleum-based lubricant such as XL-300)</i>
High pressure models *	1500 hours / 1 year oil change and valve inspection (decarboning)
6R models *	100 hours / 6 months oil change and 1500 hours / 1 year valve inspection (decarboning)

*** - 100-hour break-in with petroleum-based lubricant required.**