

ROOTS

Blowers Compressors Exhausters

ROOTS™ Blower and Compressor Synthetic Lubricating Oil

After extensive life testing on rotary lobe blowers, Dresser ROOTS™ introduced a special blend, high-temperature, (polyalphaolefin based) synthetic lubricating oil for ROOTS™ blowers in 1990.

LUBRICANT ADVANTAGES:

- **High Oxidation Stability** - Contains oxidation-resistant additives that mean longer oil life and fewer oil changes. ROOTS™ synthetic lubricating oil excels in ASTM oxidation tests, and in the field, where it counts. Longer oil life means lower expenditures, and greater conservation.
- **Rapid Separation from Water** - Promotes prolonged bearing life.
- **Excellent Corrosion Protection** - Contains synthetic corrosion inhibitors. Protects during operation and acts as a preservative during shut down.
- **Synthetic Solvency** - Keeps equipment clean.
- **Ashless** - Keeps equipment free from metallic ash deposits.
- **Compatible with Seals** - Has excellent compatibility with seals.
- **Blower Protection** - Protects blower through a wide range of operating temperatures.
- **Pour Point** - from -40°F (-40°C). **Flash Point** - at 500°F (260°C).
- **Range of Use** - ROOTS™ synthetic lubricating oil can be used in any blower application or operating environment.
- **High Film Strength** - ROOTS™ synthetic lubricating oil carries up to 700% greater loads than other mineral and synthetic oils.
- **Low Friction** - Extremely low coefficient of friction proven to save energy over conventional oils.
- **Compatibility With Other Oils** - ROOTS™ synthetic lubricating oil is compatible with, and can be mixed with, other mineral oils and most other synthetic oils. No special cleaning is required at change out for blowers previously running on mineral oil. NOTE: It is NOT compatible with silicone or glycol synthetics.



- **ISO Grade Availability** - Available in ISO Grade 100, 150, 220, or 320.
- **Container Sizes** - Available in one-quart containers, 12-quart cases, one-gallon containers, 5-gallon pails, or 55 gallon drums.

Today's ROOTS™ blowers and exhausters are designed and built with the same attention to detail that has firmly established the Dresser ROOTS reputation for reliability, quality and technical excellence over the past 150 years.

ROOTS™ synthetic lubricating oils are made with the same quality and technical excellence standards to meet the highest specifications required for maximum performance.



Ambient Temperature	ISO Viscosity Range
Above 90°F (32°C)	320
32° to 90°F (0°-32°C)	220
0° to 32°F (-18°-0°C)	150
Below 0°F (-18°C)	100

10"-20" Splash Lubricated Blower Recommended Lubricating Oils

Ambient Temperature	ISO Viscosity Range
Above 90°F (32°C)	320
32° to 90°F (0°-32°C)	220
0° to 32°F (-18°-0°C)	150
Below 0°F (-18°C)	100

10"-20" Pressure Lubricated Blower Recommended Lubricating Oils

Ambient Temperature	ISO Viscosity Range
32° to 120°F (0°-49°C)	220
Below 32°F (0°C)	100
All RGS - Use ISO - VG - 100	

See the manual provided with the blower for service intervals of the lubrications mentioned.

	Part Number
Quart	13106004
Gallon	13106005
Case (12 qts)	13106007

ROOTS Synthetic Oil: ISO-VG-220 Grade

	Part Number
Quart	13106001
Gallon	13106002
Case (12 qts)	13106008

ROOTS Synthetic Oil: ISO-VG-150 Grade

	Part Number
Quart	13106020
Gallon	13106021
Case (12 qts)	13106023

5 Gallon Pail	13106022
55 Gallon Drum	13106025

ROOTS Synthetic Oil: ISO-VG-100 Grade

	Part Number
Quart	13106011
Gallon	13106012
Case (12 qts)	13106014
5 Gallon Pail	13106013
55 Gallon Drum	13106016

ROOTS Synthetic Grease: NLGI #2

	Part Number
14.5 oz. Tube	T200019-001
5 Gallon Pail	T200019-003
Case (30 tubes)	T200019-002



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