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IseL 4055

# PAG A/C Compressor Fluid – R-134a 55 Gallon User Manual

Model: 4055

## 1. INTRODUCTION AND PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of IseL PAG A/C Compressor Fluid – R-134a, 55 Gallon. This product is a premium polyalkylene glycol (PAG) lubricant specifically formulated for use in R-134a automotive A/C systems.

The 4055 fluid is designed for air compressors with high discharge temperatures, offering extended service life and outstanding resistance against wear, rust, corrosion, and sludge buildup. It is formulated for compatibility with a wide variety of synthetic compressor oils.



Figure 1: IseL PAG A/C Compressor Fluid – R-134a 55 Gallon Drum. This image shows the large black drum with the product label, indicating "FIVESTAR LUBE" and "4055 PAG A/C Compressor Fluid - R-134a".

## 2. PRODUCT ATTRIBUTES AND FEATURES

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The Isel 4055 PAG A/C Compressor Fluid offers several key attributes:

- Formulated for use in R-134a automotive A/C applications.
- Provides protection against wear, rust, and corrosion.
- Controls carbon and varnish formation.
- High viscosity index ensures reliable compressor protection at elevated temperatures.
- Maintains fluidity at low temperature to ensure proper fluid performance in harsh weather conditions.
- High flash point and auto-ignition points for added safety.
- Superior film strength and anti-wear properties.
- Very long fluid life for extended oil drains.
- Oxidatively stable with low volatility.
- Non-toxic and non-hazardous.
- Compatible with most synthetic compressor lubricants (excluding silicone-based lubricants).

## 3. SETUP AND PREPARATION

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Proper preparation is crucial for the safe and effective use of this compressor fluid.

### 3.1 Storage

- Store the 55-gallon drum in a cool, dry, well-ventilated area, away from direct sunlight and extreme temperatures.
- Keep the container tightly sealed when not in use to prevent contamination and moisture absorption.
- Ensure the storage area is free from ignition sources.

### 3.2 Safety Precautions

- Always wear appropriate Personal Protective Equipment (PPE), including safety glasses or goggles, chemical-resistant gloves, and protective clothing, when handling the fluid.
- Ensure adequate ventilation in the work area to prevent vapor accumulation.
- Avoid prolonged skin contact. In case of contact, wash thoroughly with soap and water.
- Do not ingest. If swallowed, seek immediate medical attention.
- Refer to the Safety Data Sheet (SDS) for complete safety information before use.

## 4. OPERATING INSTRUCTIONS AND USAGE

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This PAG A/C Compressor Fluid is specifically designed for R-134a automotive A/C systems. Follow the vehicle manufacturer's guidelines and industry best practices for A/C system servicing.

### 4.1 Application Steps

1. **System Evacuation:** Before adding new fluid, ensure the A/C system is properly evacuated to remove all existing refrigerant and moisture.
2. **Determine Required Volume:** Consult the vehicle's service manual or A/C system specifications to determine the correct volume of compressor fluid required.
3. **Fluid Transfer:** Use clean, dedicated equipment (e.g., a fluid pump or dispenser) to transfer the PAG A/C Compressor Fluid from the 55-gallon drum into the A/C system. Prevent air and moisture ingress during transfer.
4. **Refrigerant Charging:** After adding the fluid, charge the A/C system with the appropriate R-134a

refrigerant according to manufacturer specifications.

5. **System Testing:** Perform a leak test and functional check of the A/C system to ensure proper operation and no leaks.

**Important:** Do not mix PAG A/C Compressor Fluid with other types of compressor oils unless compatibility is explicitly confirmed by the manufacturer. Mixing incompatible oils can lead to system damage.

## 5. MAINTENANCE AND DISPOSAL

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### 5.1 Fluid Longevity and Replacement

The Isel 4055 fluid is designed for very long fluid life. Follow the vehicle manufacturer's recommended service intervals for A/C system maintenance and fluid replacement. Regular checks for system leaks and performance are advised.

### 5.2 Disposal

Dispose of used compressor fluid and empty containers in accordance with all local, state, and federal environmental regulations. Do not discharge into drains, soil, or watercourses. Contact local waste management authorities for proper disposal methods.

## 6. TROUBLESHOOTING

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While this fluid is designed for optimal performance, issues can arise from improper application or system conditions. This section provides general guidance.

### 6.1 Common Issues and Solutions

- **Reduced A/C Performance:**

- *Possible Cause:* Incorrect fluid level, refrigerant leak, or system contamination.
- *Solution:* Check fluid and refrigerant levels. Inspect for leaks. If contamination is suspected, a full system flush and recharge may be necessary by a qualified technician.

- **Compressor Noise/Failure:**

- *Possible Cause:* Insufficient lubrication, incorrect fluid type, or severe contamination.
- *Solution:* Ensure correct fluid type and level. If noise persists or failure occurs, consult a professional A/C technician.

- **Fluid Discoloration:**


- *Possible Cause:* Contamination (e.g., moisture, debris, incompatible oils).
- *Solution:* If fluid appears discolored or cloudy, it indicates contamination. The system should be flushed and recharged.

For complex issues or if you are unsure about a diagnosis, it is highly recommended to consult a certified automotive A/C technician.

## 7. SPECIFICATIONS

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The following table details the typical lubricant properties of Isel 4055 PAG A/C Compressor Fluid.

  
 P: +1 770-734-6383 | F: +1 855-368-6360 | W: fivestarlube.com

## 4055 PAG A/C Compressor Fluid - R-134a

4055 premium polyalkylene glycol (PAG) lubricant is fully miscible in and specifically formulated to provide exceptional protection in R-134A automotive a/c systems. Through its advanced formulation, 4055 provides excellent protection against wear, rust and corrosion.

**ATTRIBUTES**

- Formulated for use in R-134A automotive AC applications
- Carbon, varnish and rust control to help reduce deposits and corrosion
- High viscosity index provides reliable compressor protection at elevated temperatures
- Maintains fluidity at low temperature to ensure proper fluid performance in even the harshest weather conditions
- High flash and auto-ignition points for added safety
- Superior film strength and anti-wear properties
- Very long fluid life for extended oil drains

**TYPICAL LUBRICANT PROPERTIES**

4055 Grades	46	68	100	150
Viscosity Index	131	126	142	148
Viscosity @ 40°C	47	68	99	125
Viscosity @ 100°C	7.7	9.8	13.9	17
Flash Point °F (°C)	450 (232)	460 (237)	510 (227)	520 (271)
Pour Point °F (°C)	-51 (-46)	-47 (-44)	-43 (-42)	-39 (-39)
Copper Corrosion, 24 Hr	1a	1a	1a	1a

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 This information is being Alpha Technology and represents information provided through only for use in a general guide. Lubricant properties are typical results and should be used as a guide only. Always refer to the product label for a particular application. Please consult a Darg Alpha Technology representative to ensure that the product is the correct choice for the application.

Figure 2: IseL PAG A/C Compressor Fluid 4055 Specifications Sheet. This image displays a detailed data sheet with typical lubricant properties for 4055 PAG A/C Compressor Fluid, including viscosity index, viscosity at 40°C and 100°C, flash point, pour point, and copper corrosion.

Property	Value
Brand	IseL
Material	Synthetic
Item Form	Liquid
Liquid Volume	55 Gallons (7040.0 Fluid Ounces)
Manufacturer	ISEL
UPC	649812078021
ASIN	B086H834R3
Date First Available	March 27, 2020

For detailed viscosity grades (46, 68, 100, 150) and corresponding properties like viscosity index, flash point, and pour point, please refer to the product's official data sheet or Figure 2 above.

## 8. WARRANTY AND SUPPORT

Information regarding specific product warranty for IseL PAG A/C Compressor Fluid is not provided in the available product details. For warranty claims or technical support, please contact the manufacturer, ISEL, or your authorized distributor.

**Manufacturer:** ISEL

For further assistance, refer to the contact information typically found on the product label or the manufacturer's official website.

