



CompAir Performance Warranty Plan

Industrial Rotary Lubricated Compressors



5 & 10 YEAR PLANS

EFFECTIVE 11-1-2002

CompAir Performance Warranty Plan Industrial Rotary Lubricated Compressors

Preface

The purpose of this manual is to describe CompAir's Performance Warranty plans, policies and procedures as adopted 11-01-02.

Table of Contents

Section	Description	Page
I	Express Warranty.....	3
II	Performance Warranty Plan..... 5 Year Option 10 Year Option	4
III	Oil Sampling Program..... Typical Questions	5-6
IV	How to Enroll.....	7
V	Registration and Renewal Form.....	8

CompAir

WARRANTY FOR INDUSTRIAL ROTARY LUBRICATED COMPRESSORS USED IN INDUSTRIAL APPLICATIONS

EXPRESS WARRANTY

CompAir LeROI warrants these industrial rotary lubricated compressor products and parts to operate in accordance with their respective specifications under normal conditions set forth in their respective operating manuals, and to be free from defects in materials and workmanship, during a warranty period ending the earlier of (i) 12 months after the product start up date, or (ii) 18 months after the original date of shipment of the product by CompAir.

CompAir's only obligation under this warranty will be, at its election, to repair or replace any air end or part determined to be non-conforming or defective during the applicable warranty period, including labor cost to perform this repair. CompAir may request the return of the deficient part for evaluation. All freight charges (except for the air end) are the responsibility of the end user. Surface transportation freight charges for the air end are covered for the standard warranty period only. THIS WARRANTY DOES NOT COVER MOTORS WHICH ARE SEPARATELY WARRANTED BY THEIR RESPECTIVE MANUFACTURES.

THE OWNER/USER ASSUMES ALL OTHER RISKS OF ANY OTHER DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGES AND NO CLAIM FOR ANY SUCH LOSS OR DAMAGES BASED ON (i) BREACH OF WARRANTY (ii) NEGLIGENCE, STRICT LIABILITY OR OTHER TORT, OR (iii) BREACH OF CONTRACT, WILL BE ASSERTED BY THE OWNER/USER OR ACCEPTED BY CompAir LeROI.

THIS WARRANTY IS MADE IN LIEU OF THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND MAY NOT BE VARIED OR EXTENDED EXCEPT IN WRITING BY AN AUTHORIZED OFFICIAL OF CompAir LeROI.

PERFORMANCE WARRANTY PLAN

In addition to the Express Warranty, CompAir will also warrant the air ends of these industrial rotary lubricated compressors, registered and maintained in accordance with CompAir's Performance Warranty Plan ("P.W.P."), against failure in normal use during the term of the P.W.P. If the air end is registered by the owner, the P.W.P. will run concurrently with the Express Warranty for the first year after startup of the compressor.

P.W.P. Term Options

CompAir offers the P.W.P. with 5 and 10-year term options for every rotary air end manufactured by CompAir for these compressors. There are no fees required to participate in the P.W.P. for any of the options. The specific term is selected by the owner when the compressor is first registered.

5 Year Option

The 5-year P.W.P. commences at startup, runs for a one-year period, and is renewable by the owner each year during the remainder of the 5-year term. The only requirements to take advantage of the 5-year P.W.P. are:

- Use only CompAir custom blend SSL46 plus, SSL35F, or RVL5 oil for vane compressors.
- Participate in the CompAir Oil Sampling Program. CompAir will provide the sampling bottle, shipping container and complete oil analysis at **no charge**.
- Follow CompAir's recommendations based on the oil sampling results.
- Maintain the compressor according to the maintenance and operations manual.
- Annual purchase of a CompAir Filter Maintenance Kit (with yearly renewal form).

10 Year Option

The 10-year P.W.P. commences at startup, runs for one-year period, and is renewable by the owner each year during the remainder of the 10-year term. The only requirements to take advantage of the 10-year P.W.P. are:

- Use only CompAir's custom blended CompLube "10" oil.
- Comply with all of the requirements listed above for the 5-year option (except the use of SSL46 plus, SSL35F or RVL5 oil).

Annual renewals of the P.W.P. under 5 or 10-year option must be made through the CompAir distributor selling the air compressor. Any change to a different CompAir distributor requires the prior written consent of CompAir.

If the air end of the registered air compressor fails during the applicable term despite operating under normal conditions and adherence to the foregoing requirements for the P.W.P. term, CompAir will supply a replacement air end free of charge, with the costs of labor and shipping for removing and reinstalling the air end borne by (a) CompAir during the first year of the P.W.P. term, and (b) the owner/user after the first year. Failed air ends must be delivered to the CompAir factory in Sidney, Ohio for exchange.

Plans Limitations

SHAFT SEALS AND INLET VALVE COMPONENTS ON THE AIR END ARE NORMAL WEARING PARTS AND ARE NOT COVERED BY THE P.W.P. AFTER THE FIRST YEAR. FAILURE TO FOLLOW THE OIL SAMPLING PROGRAM OR TAKE RECOMMENDED CORRECTIVE ACTION, OR ATTEMPTING TO REPAIR THE AIR END ON SITE WILL VOID THE P.W.P. AND RESULT IN DENIAL OF A CLAIM.

THE OWNER/USER ASSUMES ALL RISK OF ANY OTHER DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGES, AND NO CLAIM FOR ANY SUCH LOSS OR DAMAGES BASED ON (i) BREACH OF WARRANTY, (ii) NEGLIGENCE, STRICT LIABILITY OR OTHER TORT, OR (iii) BREACH OF CONTRACT, WILL BE ASSERTED BY THE OWNER/USER OR ACCEPTED BY CompAir.

THESE WARRANTIES ARE MADE IN LIEU OF THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND MAY NOT BE VARIED OR EXTENDED EXCEPT IN WRITING BY AN AUTHORIZED OFFICIAL OF CompAir.

QUESTIONS AND ANSWERS

CompAir Oil Sampling Program for Industrial Rotary Lubricated Products in Industrial Applications

What is the Reason for the Oil Sampling Program?

The CompAir Oil Sampling Program is specifically designed for the CompAir industrial rotary screw compressors using CompAir SSL-46 Plus, SSL-35F, CompLube "10", or RVL5 oil. Oil sampling and analysis will maximize the benefits of using these oils by sustaining long equipment life and low maintenance costs. This oil sampling program is a free service provided to customers using CompAir lubricant.

Participation in the oil sampling program is highly recommended and a **requirement** of the CompAir Performance Warranty Plan. Oil sampling ensures that your compressor is operating under the best conditions and provides important maintenance documentation should a problem arise.

What is CompAir CompLube "10"?

CompLube "10" is poly-alphaolefin (PAO) complex ester blended long life synthetic lubricant specifically designed for use in CompAir oil flooded rotary screw air compressors. It is ideal for applications where oil is exposed to high temperatures for extended periods of time.

CompLube "10" provides superior thermal and oxidation stability enabling it to operate over a wide range of temperatures without coking, deposit formation or corrosion. The oil is designed to provide 12,000 hours of operation at normal operating conditions (190°F, 125 psi). CompLube "10" is completely non-toxic and non-hazardous.

What is CompAir SSL-46 Plus Lubricant?

SSL-46 Plus is a polyalphaolefin (PAO) synthetic hydrocarbon oil which has been custom designed and blended especially for CompAir oil flooded rotary screw air compressors. This oil is designed to provide 8,000 operating hours of trouble free service under normal operating conditions (190°F, 125 psi).

SSL-46 Plus has high thermal and oxidative stability which provides more efficient lubrication while decreasing sludge and varnish buildup. The high viscosity index coupled with a low pour point, low toxicity level and low volatility reduces power consumption as well as oil consumption.

What is CompAir SSL-35F?

SSL-35F is a synthetic poly-alphaolefin (PAO) based food grade lubricant developed for 4,000 hours operating life under normal operating conditions (190°F, 125 psi) in CompAir oil flooded rotary screw air compressors. It meets USDA H-1 and FDA 21CFR178.3570 requirements for lubricants with incidental food contact.

What is CompAir RVL "5"?

RVL "5" is a complex ester polyalphaolefin (PAO) custom blended, long life synthetic lubricant. It is ideal for rotary vane air compressor applications where oil is exposed to high temperatures for extended periods of time. RVL "5" is made from the highest quality base stocks

coupled with state of the art additive technology resulting in performance improvements beyond mineral oil and other synthetic air compressor lubricants.

Why is Oil Sampling Important?

Compressors, as humans should be monitored to ensure their systems are functioning as intended. The oil is the lifeblood of the compressor and it must be maintained within established limits of various chemical additives to be an effective lubricant and cooling medium. The oil may also carry undesirable "viruses" throughout the system which can cause serious health problems for the compressor.

Such contaminants include water and metallic particles, both of which will shorten compressor bearing life and cause equipment downtime.

QUESTIONS and ANSWERS

The useful life of compressor oil depends on the quality of the oil and the conditions in which the unit is operating. The CompAir Oil Sampling Program is intended to provide ongoing information such that the oil will be maintained within its proper operating conditions while at the same time monitor the system for undesirable contaminants which will shorten the equipment service life if left unattended. Oil and oil filter change intervals are best determined by oil sampling and analysis.

What Are the Effects of Contaminated or Depleted Oil on the Compressor System?

Bearings that are lubricated with oil having depleted additives or oil containing contaminants (water, solid particles, etc.) are subject to excessive wear, vibration or corrosion. As the oil additives become depleted, other components within the system also suffer and contribute to higher amp draw on the motor and increased cooling demand due to increased friction and wear.

It is reasonable to believe that maintaining and monitoring the condition of the oil will significantly extend the service life of the compressor and minimize operating costs.

How Does the Oil Sampling Program Work?

Oil samples are taken at prescribed times and sent to the CompAir Oil Analysis Center. The results of the analysis are reviewed by our chemists and then sent to the customer. A computer record of all samples is maintained by CompAir Technical Service Department. As more samples are analyzed a trend will be established, and we will be able to better predict or identify potential problems and advise the customer of corrective measures.

a) When to Sample:

The initial oil sample should be taken after 500 operating hours. Then, oil samples should be taken regularly every three (3) months or 1000 hours unless instructed otherwise. All time is measured from date/hours of previous sample.

The oil sample should be taken during normal operation of the machine or right after shut down of the machine. A sample should not be taken if the machine has been setting idle. Ensure the information form is filled out completely and accurately.

b) Where to Sample:

The oil sample is to be taken at the air end oil filter out location. A valve is provided for this purpose. A sample at this location will indicate the exact condition of the fluid going into the air end. Never take an oil sample from the oil inside a filter which is being changed.

c) Where to Send Sample:

The oil sample is to be sent to:

CompAir Oil Analysis Center
2300 James Savage Road
Midland, MI 48642

How Will the Results of the Oil Sample be Transmitted?

A "Product Analysis Report" will be sent to you showing the results of the analysis of the oil. The oil evaluation will define the condition of the oil and may request additional information or action.

Summary

The CompAir Oil Sampling Program is designed to maximize the operating life of your compressor while minimizing the operation costs by monitoring the condition of the oil. This free service is available to anyone using CompAir CompLube "10", SSL-46 Plus, SSL-35F, or RVL5 in their compressor. We are confident that the implementation of this program into your preventative maintenance routine will be of benefit and we look forward to your participation.

Failure to follow the CompAir Oil Sampling Program or take recommended corrective action could be reason for cancellation from the Performance Warranty Plan or denial of a claim.



**Performance Warranty Plan Registration and Renewal
Industrial Rotary Lubricated Compressors**

Distributor: _____

Registration Number: _____

Serial Number: _____

Model: _____

Customer: _____

Contact Order Number: _____

(Check one) Term Option: 5 year 10 year

Date Installed: _____

Phone: _____

Oil (Check one) SSL-46 Plus: _____ SSL-35F: _____ CompLube "10": _____ RVL"5": _____

NOTE: If this machine is going into your inventory, or if start-up is going to be delayed, mail or fax CompAir Service Department a copy of this registration market "STOCK" for Date Installed.

PERFORMANCE WARRANTY PLAN REQUIREMENTS:

- I. Continued participation in the CompAir Oil Sampling Program – no charge.
- II. Continued use of CompLube "10" (ten year plan), SSL-46 Plus, SSL-35F or RVL5 (five year plan) lubricant for the full period of the coverage.
- III. Maintenance of the compressor according to the operator's manual.
- IV. Annual purchase of CompAir Filter Maintenance Kit (with yearly renewal form).
- V. Follow CompAir recommendations for timing of oil and filter change-out or as noted on Oil Sample Results Action Report.

TERMS OF PERFORMANCE WARRANTY PLAN:

- 1. Failed air ends must be delivered freight prepaid to the CompAir factor in Sidney, OH for exchange. Attempts to repair on site will void the Warranty Protection Plan coverage. Labor is not included after the first year of the P.W.P.
- 2. The shaft seals and inlet valve components on the air end are considered normal wearing parts are not covered by this P.W.P.
- 3. The balance of the Performance Warranty Plan may be transferred to a new owner or distributor who assumes all conditions of the P.W.P. by signing a registration renewal form and sending to CompAir.

WE, THE UNDERSIGNED, HAVE READ AND UNDERSTAND THE TERMS AND CONDITIONS OF THE PERFORMANCE WARRANTY PLAN.

Distributor Representative: _____

Date: _____

Customer Representative: _____

Date: _____

Purchase Order Number for Filter Maintenance Kit: _____

This form must be completed and returned to CompAir within 30 days of start-up. Attention: CompAir Service Department. Fax number (937) 498-2644.