

PRODUCT DATA SHEET



FG
FOOD GRADE

LSC-FLUSH Food Grade

Synthetic Compressor and Lubrication System
Cleaning & Flushing Oil

LSC-FLUSH is a 100% synthetic cleaning and flushing lubricant that is designed to remove varnish and sludge deposits while the compressor is in use and under load.

The synthetic base oil and additives allow for LSC-FLUSH to be used as a lubricant while it's cleaning for up to 500 hours. This eliminates the need for taking the compressor off-line for cleaning. The varnish and sludge are held in suspension in the oil until it is drained out of the compressor or gearbox lube system components.

LSC-FLUSH is compatible with most mineral oils, PAOs (polyalphaolefins), PAGs (polyalkylene glycols), and synthetic esters. This means that LSC-FLUSH can be used as an intermediary step when transitioning from non-food grade to food grade oils.

LSC-FLUSH Food Grade is NSF Registered and H1 designated, meeting FDA 21 CFR 178.3570 for use in applications where incidental contact with food is possible.

Properties / Characteristics	LSC-FLUSH Food Grade
ISO Grade	46
Viscosity @40°C, cSt @100°C, cSt	46.0 8.0
Viscosity Index	135
Flash Point, °F (°C)	518 270
Pour Point, °F (°C)	-49 -45
Copper Corrosion Test	1B
Demulsibility	Excellent
NSF Registered	H1



Nonfood Compounds
Program Listed: H1
Registration



RECOMMENDED PROCEDURE FOR CLEANING AND FLUSHING WITH LSC-FLUSH Food Grade

Flushing procedure for rotary screw compressors:

1. Drain compressor immediately after shutdown while the oil is still warm. Please be sure to thoroughly drain all areas where residual oil may reside (i.e. – drain ports)
2. Please check filters and separator elements to make sure they are still in suitable condition. If not, please replace prior to flushing as to not further contaminate equipment.
3. Fill the compressor with a full charge of **LSC-FLUSH Food Grade** or a mix of new food grade lubricant and at least 50% of the flushing lubricant.
4. Compressor may be run under normal loads for up to 500 hours. If heavily varnished or contaminated, this time period should be abbreviated to no less than 48 hours. Subsequent flushes may be required in poor conditions.
5. Repeat step one.
6. Change and replace all filters and separator elements to be sure all oxidized oil is removed from the system.
7. Refill the compressor with the appropriate **Pan American Lubricants** product for the application. Please contact your Pan American Lubricants representative for assistance.
8. Please pull an oil sample after 200 hours of operation to check system conditions and to determine if further flushing is required. Please contact Pan American Lubricants for assistance if required.