

# **SELCO SF - 500**

## SYNTHETIC COMPRESSORS LUBRICANT

**SELCO SF-500** is a synthetic fluid designed to meet the needs of rotary and reciprocating industrial compressors. The product exhibits excellent high temperature properties coupled closely with outstanding oxidation resistance.

Currently available lubricants often compromise on compressor requirements, for example reciprocating units using automotive crankcase oils formulated to MIL specifications can suffer from heavy carbon and ash deposits on valves, SELCO products, on the other hand, are formulated solely for compressors.

### **The advantages of SELCO SF-500 are :**

1. Reduce carbon formation and the risk of explosion, and increase safety
2. Virtually eliminate varnish and sludge deposits, ensuring that items such as oil/air separators in rotary. Compressors function efficiently at all times.
3. Provide better demulsibility, which is needed for rapid and complete water separation (this is particularly important for oil flooded compressors, where condensate can accumulate in oil receivers.
4. Extend oil drainage intervals upto 8000 hours or 12 month's operation
5. Outstanding operating temperatures range which will effect operating economics in compressor down time and lubricant utilization.
6. Good compatibility with elastomers used as seals in reciprocating compressors.
7. Reduce oil consumption and carry over by virtue of their low volatility and good lubrication properties
8. Maintain the high efficiency of reciprocating compressors by significantly reducing valve deposits.
9. Reduce maintenance costs by reducing wear and deposits associated with the use of mineral oils, savings on replacement parts and labour can be achieved.
10. Improve oil receiver and crankcase performance by virtue of their low foaming properties.

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**TYPICAL PROPERTIES :**

Properties	SF-500	SF-500	SF-500	SF-500	Test Method
Viscosity at 400 ° C. CST	11.9	65.8	103.2	147	
Viscosity at 100 ° C. CST	3.3	7.6	9.1	12.9	
Demulsibility ml.	40/40/0	40/40/0	40/40/0	40/40/0	ASTMD1401
Neutralization Number mg/KOH/g	0.1	0.1	0.1	0.1	0.1
Foaming sequence 1 tendency/stability ml. 20/0	20/0	20/0	10/0	10/0	ASTMD692
Flesh Point °C. 221	240	235	265	265	ASTMD92
Fire Point °C. 250	284	285	315	315	ASTMD92
Pour Point °C.	-60	-30	-25	-28	ASTMD97
Evaporation loss 22 hours at 149°C. % 0.6	0.6	0.4	0.6	0.6	ASTMD972
Specific gravity at 25°C. Conradson carbon deposits %	0.942	0.942	0.954	0.972	
Part 1: after aging without Fo2o %	0.05	0.05	0.25	0.09	DIN51352
Part 2: after aging with Fo2o3(Pneuop) %	2.5	2.5	2.2	2.4	
Viscosity index 4 ball	149				
Tests wear test (40 kg.load for 1 hour)-scar diameter mm	0.92	0.92	0.86	0.88	
Weld load kg	135	135	135	140	