



PREFERRED INDUSTRIAL

SOS - FREQUENTLY ASKED QUESTIONS –

1. Question: What is SOS and how does it work?

Answer: Super Oil Supplement (SOS) is a proprietary, complex blend of non-solid anti-friction additives and extreme pressure agents that blend and reconstitute themselves into the primary fluid. SOS improves and supplements the working characteristic of the primary oil by reducing stiction, friction, heat and component wear.

2. Question: Why should I use SOS?

Answer: Circulating oil is the lifeblood that protects critical oil saturated components. Running equipment, machinery, motor, engine parts, gear box, hydraulic and oil lubricated systems generate friction (heat). Heat degrades oil. Degraded oil leads to wear. Wear leads to failure. Adding SOS enhances the primary fluid resulting in molecules that absorb and disperse heat more efficiently while protecting the lubricating properties of the oil.

3. Question: Why do I add SOS in a range from 30ml to 60ml/L to the oil that I'm treating?

Answer: Treatment ratio is determined by a number of factors that only the end user knows. Factors include quality of the original fluid, operating load, conditions, temperatures, machine demands, idle time, change out intervals, etc. We recommend 50ml/L. 1L of SOS treats 20L of the original oil @ 5% ratio.

4. Questions: Should I add SOS to every oil change?

Answer: Yes.

5. Question: Does SOS affect oil viscosity?

Answer: SOS is highly concentrated. Used as directed, adding the recommended 30 to 60ml will not adversely affect viscosity of the principle fluid. Competitive treatments, additives, stabilizers, or supplements that change the flow characteristics, ie: thicken or thin the oil beyond OEM specs, can result in severe and costly damage. With exacting machine tolerances, most new, modern equipment require high performance, high viscosity oil. Adding a treatment that makes oil too thick will result in premature wear, especially at start up. Too thin, run the risk of oil breaking down from over-heating under load & high rev cycles.



6. Question: Can I add SOS to any grade or type of oil?

Answer. SOS can be added to most API approved mineral (petroleum/hydrocarbon), semi-synthetic and synthetic Group IV Polyalphaolefin (PAO) oils. We caution and do not recommend adding SOS to Polyalkylene (PAG) oil.

7. Question: Will I get better fuel economy or energy savings by adding SOS to my oil?

Answer: This is a difficult question to answer. Fuel economy is dependent on many variables. Fuel quality, idle time, type of driving, towing, speed, terrain, weather, load, weight, engine condition & maintenance ultimately determine fuel economy. Using the principle that less friction requires less energy, there is a direct correlation between energy required and cost savings.

8. Question: Will adding SOS fix an existing problem on my equipment?

Answer: Adding SOS should help quieten chatter from sticky valves, rocker arms, cam shafts, bearing squeal, etc.. The cushioning effect of the micro-molecular shield helps mitigate damage to metal wear components and prolong operating life. If the machine is blowing smoke or leaking oil, regrettably the damage is evident. Using SOS at the earliest stage is an insurance policy to safe guard critical internal components. A proactive solution is less costly than a reactive repair involving downtime, rush labour, expedited delivery and "need it now" parts cost.

9. Question: Should I add SOS to every oil circulated system that I have?

Answer: It depends on why and what you are trying to protect. We recommend SOS be added to oil that has difficulty venting (cooling) and dispersing heat. Add SOS to oil circulation systems where static friction (stiction) and high/constant load metal on metal contact exists.