Shell EcoSafe Revive

Synthetic-based solvency enhancer for cleaning varnish from rotating equipment

SHELL LUBRICANT SOLUTIONS

DESCRIPTION

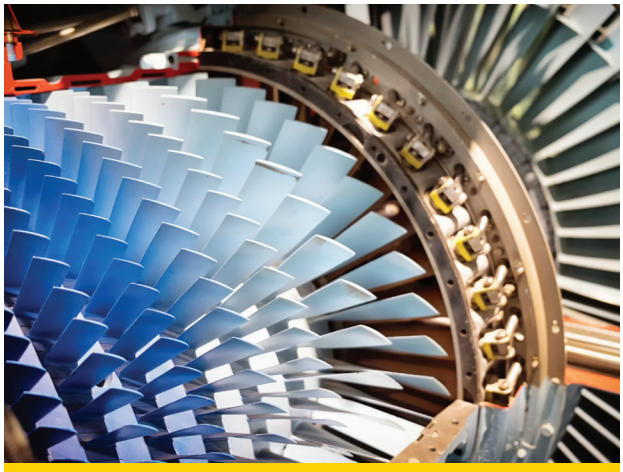
Shell EcoSafe Revive, formerly EcoSafe Revive, is a synthetic-based solvency enhancer that can be incorporated into hydrocarbon-based turbine fluids to reduce the issues associated with varnish formation and product instability.

Shell EcoSafe Revive is a varnish solvency enhancer that is added to the existing turbine oil during normal unit operation, 6-12 months ahead of a scheduled change-out.

The addition of Shell EcoSafe Revive increases the existing oil's ability to dissolve and hold in solution previously deposited varnish and oxidation by-products as well as any additional degradation products that are formed in the oil.

These components are then removed from the system completely once the oil is changed. Unlike alternatives such as chemical treatments, it does not require additional maintenance or an outage to install equipment.

Utilization of Shell EcoSafe Revive often eliminates the need for high velocity flushing between fluid change-outs, and is compatible with most turbine oils, although compatibility confirmation testing is advised.



SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS

For a full listing of equipment approvals and recommendations, please consult your local Shell Lubricant Solutions technical help desk.

[1]ISO 4406:1999

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES		
	Method	**Shell EcoSafe Revive**
ISO viscosity grade	ISO 3448	32
Kinematic viscosity at 40°C, mm^2/s	ISO 3104/ASTM D445	29.0
Kinematic viscosity at 100°C, mm^2/s	ISO 3104/ASTM D445	6.4
Viscosity index	ISO 2909/ASTM D2270	183
Density at 15°C, g/cm^3	ASTM D1298	0.984
Flash point (Cleveland open cup), °C	ISO 2592/ASTM D92	265
Fire point (Cleveland open cup), °C	ISO 2592/ASTM D92	290
Pour point, °C	ISO 3016/ASTM D97	–57
Total acid number (new fluid), mg KOH/g	ASTM D664	0.35
These characteristics are typical of current production. Although future production will conform to Shell's specifications, variations in these characteristics may occur.		

CONTACT US

For more information, please contact your Shell Lubricant Solutions representative or visit **shell.us/ecosafe.**