

# Shell EcoSafe Revive

Synthetic-based solvency enhancer for cleaning varnish from rotating equipment

**SHELL  
LUBRICANT SOLUTIONS**



## DESCRIPTION

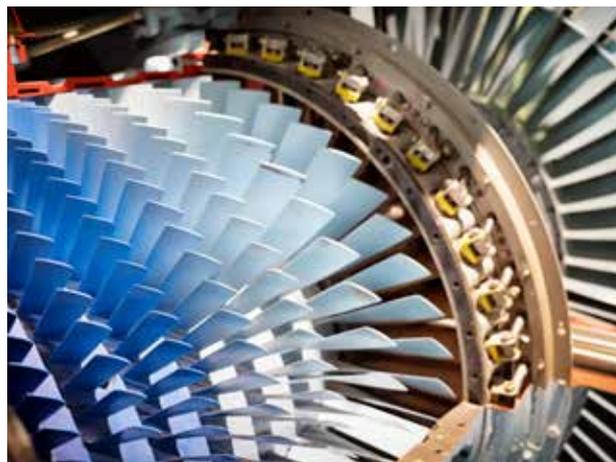
**Shell EcoSafe Revive**, formerly EcoSafe Revive, is a synthetic-based solvency enhancer that can be incorporated into hydrocarbon-based turbine fluids to reduce the issues associated with varnish formation and product instability.

Shell EcoSafe Revive is designed to improve the solubility of existing hydrocarbon-based turbine fluids and to repair fluids with elevated and high varnish potential ratings.

Shell EcoSafe Revive does not replenish the existing antioxidants in used turbine fluids, rather it helps to reactivate the additives that are trapped in varnish deposits by bringing them back into solution. This effectively extends both the oil life and the maintenance interval of an operating system.

In addition, Shell EcoSafe Revive improves the lubricity of the fluid and reduces soft particle contamination<sup>1</sup> and the ultra-centrifuge sediment rating of used fluids, and improves membrane patch colorimetry results.

Adding the recommended amount of Shell EcoSafe Revive requires no conversion process and reduces reliance on expensive varnish removal, abatement and remediation techniques. It is miscible and compatible with all major commercial hydrocarbon-based turbine fluids, filter media and elastomers, as commonly applied in rotating equipment.



## SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS

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



**TYPICAL PHYSICAL CHARACTERISTICS**

PROPERTIES		
	Method	Shell EcoSafe Revive
ISO viscosity grade	ISO 3448	32
Kinematic viscosity at 40°C, mm <sup>2</sup> /s	ISO 3104/ASTM D445	29.0
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	ISO 3104/ASTM D445	6.4
Viscosity index	ISO 2909/ASTM D2270	183
Density at 15°C, g/cm <sup>3</sup>	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](http://shell.us/ecosafe).

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