follow us

Certified B Corporation

SOLAR IMPULSE EFFICIENT SOLUTION LABEL

case study

Increasing productivity and extending oil life for gas turbines in a power plant in Australia

fluitec.com

Problem

Elevated MPC values observed on the turbines indicated potential varnish presence. Persistent high values posed a threat of turbine shutdown, significantly impacting equipment availability.

Solution

DECON™, introduced at a 3% treat rate, facilitated varnish dissolution in the turbines, resulting in a reduction of MPC values.

Results

MPC values in the three turbines exhibited a significant reduction from abnormal ranges to within the normal range.

Total Saved

$78K

Client:	Major Power Plant
Country:	Australia
Application:	Gas Turbine
Cost savings:	$78,000 over 5 years
Oil savings:	4,500 liters
CO2e kg saved:	18,341 CO2e kg over 5 years
Solution:	DECON

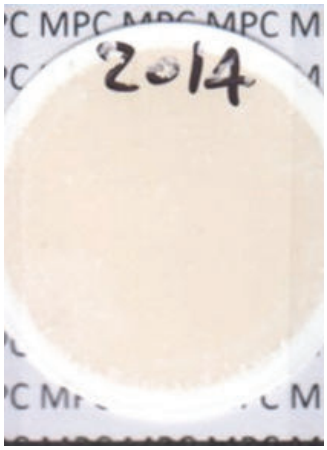
GAS TURBINE 1

BEFORE
MPC: 15

AFTER DECON
MPC: 2

GAS TURBINE 2

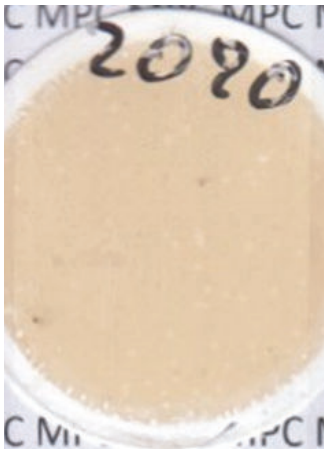
BEFORE
MPC: 11



AFTER DECON
MPC: 1

GAS TURBINE 3

BEFORE
MPC: 26



AFTER DECON
MPC: 3