

CASE STUDY: SAPPHIRE[®] HI-TORQUE

Performance you can trust

LOCATION

UK Water Business

APPLICATION

Motor and gear box drives

BACKGROUND

A water customer spent millions of pounds annually on electricity to power their motor and gearbox drives. Any potential energy savings which can be derived from using premium quality lubricant will make a financial difference.

CHALLENGE

Four lubricant companies were each provided with six identical aeration tank drive gearboxes for the purposes of a 6 month energy saving trial.

The energy consumption of each gearbox was monitored for a set period prior to the energy saving trial to enable base line data to be collected.

THE ROCOL SOLUTION

ROCOL's solution for the trial was SAPPHIRE Hi-Torque- a range of semi-synthetic gear oils that minimise wear, reducing the risk of break down and significantly extends gearbox life.

ACCEPTED BENEFITS/COST SAVING

Following the trial it was proven that ROCOL SAPPHIRE Hi-Torque oil saved over 4% of the energy consumption based on the previous oil. By using ROCOL service engineers to carry out the installation of the oil into all gearboxes on sites, the best practices are employed to ensure that the energy savings are maximised and safe working practices followed.

SITE	TOTAL ENERGY COST	SAVING (4%)
1	£14,200	£570
2	£32,300	£1,300
3	£41,400	£1,700
4	£186,300	£7,500
5	£110,600	£4,400
6	£16,800	£670
7	£55,400	£2,200
8	£20,800	£800
	£477,800	£19,140