

LOOKING TO REDUCE TOTAL OPERATING EXPENSES?

Lost durability could be costing you



Lost Durability: Using an oil not optimized for your operation can create added maintenance, downtime and lost revenue.

In this example, a large construction company with 100 excavators—25% of which are Tier IV Final—uses a 15W-40 CK-4 low-ash (1%) engine oil. Low-ash engine oils contain 60% more sulfated ash than ultra-low-ash oils, and are proven to be responsible for 90% of the ash buildup in diesel particulate filters (DPFs), causing significant clogging and requiring 2.5x more DPF services in comparison to ultra-low-ash engine oils. The back pressure caused by a clogged DPF filter causes increased fuel consumption, averaging 3% more fuel use over the service life of a DPF.

Large Regional Construction Co. Unnecessary costs from using an unoptimized engine oil.



$$x \ 25 \ x \ \$4,200 = \$105,000$$

Number of Tier IV excavators

Average cost for DPF service in labor and downtime

Estimated annual cost to service DPF



$$x \ 25 \ x \ \$1,950 = \$48,750$$

Number of Tier IV excavators

Cost of additional 600 gals of fuel per excavator

Estimated annual additional fuel costs

$$\$105K + \$48.75K = \$153.75K \text{ UNNECESSARY ANNUAL COSTS}$$