

TECHNICAL BULLETIN

1013

Product Comparisons with Intercon Degreasers

Intercon products AllTeq E630A Degreaser, D3 Base and LTDC have been tested for oil carrying capacity. In comparison, competitive products D3 subconcentrate and ESC-10 have been tested using the same methodology, and the results are herein compared.

Figures 1 and 2 compare D3 Base, D3 subconcentrate and AllTeq E630A degreaser at ambient temperatures [25° C] and high temperatures [80° C]. D3 subconcentrate is a product that is used at 15% by weight, mixed with water. Both D3 Base and AllTeq E630A are concentrates that are mixed at ratios of 3% by weight with water. AllTeq E630A is a natural solvent based, and both D3 Base and D3 subconcentrate are butyl cellosolve based. From figure 12 it is shown that both D3 Base and AllTeq E630A outperform D3 subconcentrate on carrying 6 oil in an aqueous solution.

Figure 2 shows that D3 subconcentrate and AllTeq E630A perform equal for carrying capacity, but are outperformed by the D3 Base.

Two other products tested were LTDC [a non-butyl cold degreaser] and ESC-10. From figure 3 it is demonstrated that at room temperature the LTDC had a significantly higher carrying capacity than both the AllTeq E630A and the ESC-10. At elevated temperatures, the AllTeq E630A outperformed both [figure 4].

The total solids of the products in solution are as follows: AllTeq E630A 2.3%, D3 Base 2.1%, D3 subconcentrate 2.1%, LTDC 0.38%, ESC-10 0.38%.

In conclusion, it is easy to show that non-solvent based degreasers have the advantage over natural solvent degreasers at ambient temperatures. As temperatures are elevated, however, the natural solvent degreasers clearly outperform. It is also interesting to note that for a given active solids content, not all products are the same. Whereas the D3 Base and D3 subconcentrate have the same amount of actives in solution, the D3 base clearly takes the day. LTDC also outperforms the ESC-10, even though both have equivalent amounts of active solids in solution.

AllTeq E630A Degreaser, D3 Base and LTDC are all Intercon products, whereas the other products are representative products in the field.