CASE STUDY 13
(NEW GENERATION POLYMER QUENCHANT)

CUSTOMER DETAILS:
A leading multi-technology automotive components supplier

OBJECTIVES FOR CONDUCTING THE TRIAL:
To increase the bath life and mechanical properties of automotive crankshafts.

OPERATING / APPLICATION DETAILS:
- Material Grade: SAE 1541
- concentration: 16%
- Tank Size: 1500 ltrs
- Bath Temp: 32°C
- Product: Multi-cylinder Crank shaft

PRODUCT RECOMMENDED: HIQUENCH P122

TRIAL RESULTS
Consistent hardness pattern observed all over the induction hardened area.
No quench cracks.
Higher hardness depth in induction hardened area will give more service life and increase the performance of the component.