

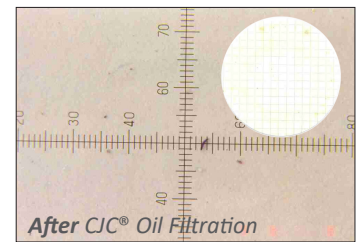
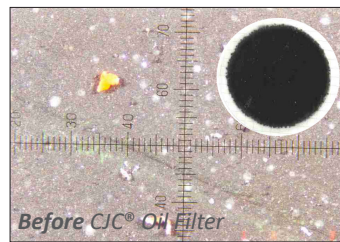
# Hydraulic Oil

## Plastic Injection Moulding Machines, mark BILLION

### CUSTOMER SAVINGS & BENEFITS

Installing CJC® LG 15/25 Oil Filters at the 12 plastic injection moulders resulted in the following benefits:

- Reduced maintenance costs by 60%
- Increased productivity by 15%
- Savings on in-line filters
- No cleaning of injection moulding tanks
- Reduced unplanned stoppages



### CUSTOMER

NOVARES IBERICA AUTOMOTIVE, S.A (previously NEYR and Megaplast) produces plastic components for the self-propulsion sector and the printer/photocopier sector (Hewlett-Packard).

### SYSTEM

12 injection moulders of 320 to 1,800 tons, mark BILLION. The injection moulders have deposits between 600 to 1,950 L of hydraulic oil, MOBIL DTE 25 (ISO VG 46).

**System:** 320-1,800 tons, mark BILLION  
**Oil type:** Hydraulic oil, Mobil DTE 25  
**Oil volume:** 60- 1,950 L/m

### PROBLEMS

The customer wanted to reduce their maintenance costs (repairs and stoppage costs) and lost time at unplanned stoppages. Among other things the company had spent EUR 480 on in-line filters every 6 months without obtaining clean oil. It meant that the customer had contaminated oil with particles (ISO Code 22/19/17). Every year it was necessary to clean the tanks of the injection moulders. NOVARES spent every year EUR 6,280.58 per machine on maintenance.

### SOLUTIONS

CJC® Fine Filters LG 15/25 with CJC® Filter Inserts BG 15/25 were installed in all injection moulders with a filtration ratio corresponding to 3 µm absolute and a flow of 300 L/h. Water and resins (the final products from oxidation of the oil) were eliminated.

### RESULTS

The maintenance expenses were reduced by up to 60% with the CJC® Oil Filters. Furthermore, NOVARES have reduced unplanned stoppages by up to 15%. This means a 15% increase in productivity.

### RESULT

	Before	After 6 months
Particles	22/19/17	12/9/7
Water	230 ppm	41 ppm
Resins level (oxidation)	Black	White
Maintenance costs/machine	EUR 3,140.28	EUR 277.15
Unplanned stoppages, hours	3,500 x 0.05 = 175 hours	2,500 x 0.02 = 70 hours
Lifetime of the oil	8,000 hours	Not been changed *)
Cleaning of the tank	Every year	Never

\*) According to the oil analyses, the oil was in good condition both chemically and in terms of the contamination level. As the presence of particles, water and resins is small, the oil will age slowly.

### Customer Statement:

**Mr. Mariano Parede, Maintenance Manager:**

*"Before installation of the CJC® Oil Filters in all our injection moulders, we had to change the oil and the in-line filters very often, and still the system remained contaminated. We spent a lot of hours on maintenance of every engine because of the contamination, which we at that time did not think so important. A short while after installation of the CJC® Oil Filters, we noticed a reduction in the stoppages as the oil no longer was contaminated by particles, resins, and water. - It has been one of the best maintenance investments until today."*



**CCIN5073-UK**  
 Plastic Moulders  
 08.03.2022  
 ©2022 C.C.JENSEN A/S

**Customer Case written by:**  
 C.C.JENSEN Iberica, S.A.  
 in cooperation with:

**C.C.JENSEN A/S**  
 Løvholmen 13 | DK-5700 Svendborg | Denmark  
 Phone +45 6321 2014 | sales@cjc.dk  
 www.cjc.dk

