



Hydraulics : Custom Recycling Buggies, News Limited, Sydney NSW

News Limited

News Limited was approached by Filter Technology Australia in late 2000 regarding filtration on their lube oils within their plant at Chullora.

A sample of Mobil Rarus 425 was supplied. The sample taken before filtering was No. 23029 which had an ISO of 15/12. Filter Technology then filtered the oil through a FM504 buggy, Sample No 23028 returning an ISO of 14/11 was the result after the first filtration pass.

After a second pass it was reduced to 13/10 and after six passes it was reduced to 11/9, a reduction of 92% in particulate contamination.

	Sample Number	23026	23027	23028	23029
	Date	24/10/2000	23/10/2000	22/10/2000	19/10/2000
Cleanliness	ISO4406	11/9	13/10	14/11	15/12
	Gravi-Metric				
	>2 micron		174	369	1980
	>5 micron	19	64	136	260
	>15 micron	4	6	14	30
	Contamination	Low	Low	Low	Low

Based on these results News Limited purchased a FM504 buggy custom designed to suit their needs.

Rover Australia

Castrol Australia asked Filter Technology to polish Rover Australia's quenching oil.

Sample 23398 taken 2/11/2000 shows an ISO code 21/19 with iron at 22ppm, silicon at 14ppm and sodium at 21ppm.

After running the system for 8 hours it returned ISO 15/12, a reduction in particulate contamination of 98%. Silicon was reduced by 42%, iron reduced by 81% and sodium by 47%.

The oil was returned for further use.

	Sample Number	23399	23398
	Date	07/11/2000	02/11/2000
Cleanliness	ISO4406	15/12	21/19
	Gravi-Metric		
	>2 micron	913	41070
	>5 micron	289	15181
	>15 micron	36	1620
		Contamination	Low

