

CASTROL® SYNTILO® PRODUCT CATALOG



WHAT CHALLENGES DO YOU FACE?

Today, manufacturing companies are under more pressure to keep pace in a demanding market and are expected to turn around components faster than ever before. To do this, they use high-speed machining techniques – this often results in extreme heat at the cutting edge, which can prove difficult to deal with.

These high-velocity machines require a fluid that can work to high-speed requirements and balance lubrication, foaming and cooling. Failing this, you risk harming surface finish, tool life and, ultimately, overall productivity.

HOW DOES CASTROL® SYNTILO® TACKLE THESE ISSUES?

Castrol Syntilo is a family of advanced synthetic cutting fluids that can innovatively adjust their cooling and lubricating qualities to meet the demands of high machining speeds – while delivering an outstanding finish.

When temperatures rise, the lubricating components of Castrol Syntilo are activated to provide exactly the right levels of lubrication to the cutting edge. This empowers the formula to deliver high-speed machining performance – with impressively low levels of foaming.

You will find detailed information about all the products within the Castrol Syntilo family on the following page.

PRODUCT DATA

Y = Suitable – varies by application (refer to PDS)
 N = Not Suitable
 C = Consult Castrol representative prior to use
 BF = boron-free fluid; note: Syntilo 9913 is also boron-free

	PRODUCT NAME	PERFORMANCE	TYPE	TYPICAL PH VALUE 5% Dilution	APPEARANCE	REFRACTOMETER FACTOR	MATERIAL SUITABILITY						
							CAST IRON	LOW-MEDIUM ALLOYED STEEL	HIGH ALLOY and STAINLESS STEEL	ALUMINUM	TITANIUM ALLOY	YELLOW METALS	TUNGSTEN CARBIDE
FERROUS	Syntilo 9902	Light Duty	Oil-Rejecting	8.5-9.0	Transparent	2.3	Y	Y	Y	N	C	N	N
	Syntilo 9730	Light to Medium Duty	Oil-Rejecting	8.8-9.2	Transparent	2.1	Y	Y	Y	N	C	N	N
	Syntilo 9930	Medium Duty	Oil-Rejecting	8.9-9.4	Transparent	2.3	Y	Y	Y	N	C	N	N
	Syntilo 9930 BF	Medium Duty	Oil-Rejecting	8.1-9.1	Transparent	1.9	Y	Y	Y	N	C	N	N
	Syntilo 9926	Medium to Heavy Duty	Oil-Rejecting	8.5-8.9	Transparent	2.1	Y	Y	Y	N	C	N	N
	Syntilo 9904	Medium to Heavy Duty	Oil-Rejecting	8.8-9.2	Transparent	1.9	Y	Y	Y	N	C	N	N
	Syntilo 9954	Heavy Duty	Oil-Rejecting	8.0-8.8	Transparent	1.5	Y	Y	Y	N	Y	N	N
	Syntilo 9974	Heavy Duty	Oil-Rejecting	8.7-9.3	Transparent	1.4	Y	Y	Y	N	Y	N	N
	Syntilo 9974 BF	Heavy Duty	Oil-Rejecting	8.7-9.5	Transparent	1.4	Y	Y	Y	N	Y	N	N
	Syntilo 1023	Medium Duty	Oil-Dispersing	9.1-9.5	Transparent	1.6	Y	Y	Y	N	C	N	N
MULTI-METAL	Syntilo 2109	Medium Duty	Oil-Absorbing	9.1-9.6	Transparent	1.8	Y	Y	Y	N	Y	N	N
	Syntilo 9828	Light to Medium Duty	Oil-Rejecting	8.2-8.7	Transparent	2.2	Y	Y	Y	Y	Y	N	N
	Syntilo 9918	Medium to Heavy Duty	Oil-Rejecting	7.4-7.8	Transparent	1.7	Y	Y	Y	Y	Y	Y	N
	Syntilo 9913	Heavy Duty	Oil-Rejecting	7.2-7.6	Transparent	1.3	Y	Y	Y	Y	Y	Y	N
	Syntilo CR 68	General Carbide Grinding	Oil-Rejecting	8.9-9.5	Transparent	2.1	Y	Y	Y	N	C	C	Y