

# CASTROL LABCHECK

## ABBREVIATIONS USED IN REPORTING FOR CASTROL [WWW.CASTROLLABCHECK.CO.NZ](http://WWW.CASTROLLABCHECK.CO.NZ)

### FLUID ANALYSIS TERMS

Term	Description	Term	Description
Ag	Silver	P	Phosphorus
Al	Aluminium	Pb	Lead
B	Boron	PC	Particle Counter
Ba	Barium	PQ	Particle Quantifier
Ca	Calcium	Si	Silicon
Cd	Cadmium	Sn	Tin
Cr	Chromium	ST	Soot
Cu	Copper	SUL	Sulphation
F	Fuel	TD	Too Dark
Fe	Iron	Ti	Titanium
FTIR	Fourier Transformer Infrared Spectrometer	v	Vanadium
GLY	Glycol	V	Viscosity
ICP	Induction Coupled Plasma Spectrometer	V100	Viscosity at 100 deg C
K	Potassium	V40	Viscosity at 40 deg C
Mg	Magnesium	VA	Visible Alloy
Mn	Manganese	VB	Visible Brass
Mo	Molybdenum	VD	Visible Debris
Na	Sodium	VM	Visible Metal
Ni	Nickel	W	Water
NIT	Nitration	Zn	Zinc
OX	Oxidised Smell		
OXI	Oxidation		

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## ABBREVIATIONS, PREFIXES AND LETTER SYMBOLS

AMP	AMPERE	L/MIN	LITRES PER MINUTE
ASLE	AMERICAN SOCIETY OF LUBRICATION ENGINEERS. CHANGED TO SOCIETY OF TRIBOLOGY AND LUBRICATION ENGINEERS (STLE).	LVI	LOW VISCOSITY INDEX
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MEGA	MILLION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MIL	MILITARY
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MILLI	THOUSANDTH
ATM	ATMOSPHERE	MICRO	MILLIONTH
BTU	BRITISH THERMAL UNIT	M	METER, 1000 MM
C OR CENT	CENTIGRADE	MW	MEGAWATT, 1 000 000 (MILLION) WATTS
CENT I	HUNDREDTH	MM	MICRON (MICROMETER)
CC	CUBIC CENTIMETRE	NFPA	NATIONAL FLUID POWER ASSOCIATION
CM	CENTIMETRE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CFM	CUBIC FEET PER MINUTE	NEC	NATIONAL ELECTRICAL CODE
CSFC	CORRECTED SPECIFIC FUEL CONSUMPTION	NAS	NATIONAL AEROSPACE STANDARD
GPM	GALLONS PER MINUTE	PSI	POUNDS PER SQUARE INCH
HP OR HP	HORSEPOWER	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
HVI	HIGH VISCOSITY INDEX	RPM OR REV/ MIN	REVOLUTIONS PER MINUTE
HZ	HERTZ (CYCLES PER SECOND)	SAE	SOCIETY OF AUTOMOTIVE ENGINEERS
ISO	INTERNATIONAL STANDARDS ORGANISATION	SUS	SAYBOLT UNIVERSAL SECONDS, UNIT OF MEASURE TO INDICATE VISCOSITY, E.G SUS @ 100° F
KG	KILOGRAM	STLE	SOCIETY OF TRIBOLOGY AND LUBRICATION ENGINEERS, FORMERLY ASLE, AMERICAN SOCIETY OF LUBRICATION ENGINEERS.
KM	KILOMETRE	PPM	PARTS PER MILLION (0.0001% MASS)
KILO	THOUSAND	Q	FLOW RATE – L/MIN OR GPM
KHZ	KILOHERTZ THOUSAND HERTZ (CYCLES PER SECOND)	T	TIME IN SECONDS
KV	KILOVOLT, 1000 VOLTS	P	PRESSURE DROP PSID
KW	KILOWATT, 1000 WATTS	V	TOTAL VOLUME (GALS OR LITRES)
LOG	LOGARITHM (COMMON)		