



# TECHNICAL DATA SHEET

## INDUS-MACHINE SERIES

A complete range of machine oils covering industrial, commercial, automotive and agricultural applications.  
Blended using high quality, solvent refined base stocks and incorporating advanced additive technology.

### FEATURES

Proven field performance  
Outstanding thermal and oxidative stability  
Outstanding Antiwear performance  
Good demulsibility  
Excellent rust protection  
Low filter blockage tendency

Note: Rock Machine Oils are NOT suitable where zinc free oils are specified, for example where silver plated components are present. If this is a required characteristic then ZF Hydraulic Oil range should be used.

### PERFORMANCE SPECIFICATIONS, APPROVALS & RECOMMENDATIONS:

Parker Denison HF-0	Eaton Brochure 03-401-2010
DIN 51524 PART 1 & 2	MAG IAS P-69, P-68, P-70
GM LS-2	JCMAS HK
U.S. Steel 127, U.S. Steel 136	Bosch Rexroth RD90220
SAE MS1004	

### TYPICAL PHYSICAL CHARACTERISTICS

ISO VG	10	22	32	46	68	100	150	220	320	460
Density @15°C	0.848	0.864	0.870	0.874	0.876	0.882	0.888	0.895	0.894	0.900
Viscosity @40°C (cSt)	10.0	22.4	32.4	44.1	65.0	100.1	146.3	220	322.2	460.0
Viscosity @100°C (cSt)	2.8	4.3	5.4	6.7	8.7	11.3	14.7	18.5	24.8	29.5
Viscosity Index	100	95	101	103	99	97	99	95	98	96
Appearance	Clear & bright liquid									
Product Code	05011	11141	05032	05041	05061	05081	05091	02073	05101	14190

This data sheet and the information it contains is believed to be accurate as of the date of creation. Please email [technical@rockoil.co.uk](mailto:technical@rockoil.co.uk) or telephone +44 (0) 1925 636191 if you require any further information.