



## PRODUCT DATA SHEET

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# NP PROCESS OIL

### GENERAL

**NP Process Oils** are manufactured from premium quality hydro-treated base oils. They are suitable for general-purpose lubrication where non-additive oils meet the lubrication requirements.

These oils offer the following benefits:

- Good oxidation stability
- Moderate low temperature flow characteristics
- Low carbon forming tendency
- Good Demulsibility
- Low volatility
- High thermal stability

### MAIN APPLICATIONS

- Reciprocating air compressors with air discharge temperatures up to 100 °C.
- Heat transfer fluid for closed heat transfer systems up to 320 °C.
- As plain and rolling element bearings, spur, bevel, helical and worm gear box lubricants, where temperatures and loadings are light to moderate.
- General machine lubricants where straight mineral paraffinic oils are recommended.

The low viscosity grades (ISO V.G. 22 to 46) find general economic applications as:

- Non-compounded light colored sewing machine lubricants
- Air line lubricants
- Vacuum pump lubricants



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### TYPICAL PROPERTIES - LIGHT GRADES

	22	32	37	46	68	100	150
Kinematic Viscosity @ 40°C, cSt	22.00	32.00	36.75	46.00	64.6	100.00	150.00
Kinematic Viscosity @ 100°C, cSt	4.24	5.37	5.85	6.78	8.39	11.00	14.41
Viscosity Index	93	100	100	101	99	94	93
Pour Point, °C	-12	-6	-6	-6	-3	-3	-3
Flash Point (PMCC), °C	216	218	220	224	227	251	251
Specific Gravity @ 60°/60°F	0.8636	0.8685	0.8734	0.8727	0.8787	0.8784	0.8854
API Gravity	32.9	31.5	30.5	30.5	29.5	29.4	28.8
Emulsion at 82°C, Separation time, (mins)	1	5	6	8	15	10	15

### TYPICAL PROPERTIES - HEAVY GRADES

	220	320	460	680	1000	1500
Kinematic Viscosity @ 40°C, cSt	220.00	320.00	460.00	680.00	1000.00	1500.00
Kinematic Viscosity @ 100°C, cSt	18.50	23.97	30.12	37.30	44.30	50.96
Viscosity Index	93	95	94	90	82	80
Pour Point, °C	-3	-3	-3	-3	-3	-3
Flash Point (PMCC), °C	257	257	257	268	266	266
Specific Gravity @ 60°/60°F	0.8895	0.8939	0.8974	0.9092	0.9243	0.9268
API Gravity	28.1	27.4	26.0	24.5	21.8	15.8
Emulsion at 82°C, Separation time, (mins)	15	-	-	-	-	-

### HEALTH AND SAFETY

NP Process Oil is unlikely to pose any health or safety hazards when used in the recommended applications, provided good standards of personal and industrial hygiene are observed. Please refer to Material Safety Data Sheet (MSDS) for further information.

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