

# ID LP

Isomerised Dewaxed  
Hydrocracked  
White Oils

## SIP LTD

Westminster Tower  
3, Albert Embankment  
London, SE1 7SP

Tel: +44 (0) 20 7717 0100  
Fax: +44 (0) 20 7717 0105  
Email: [technical@sip.com](mailto:technical@sip.com)

Web site: [www.sip.com](http://www.sip.com)

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## SIP LTD

SIP LTD is a leading supplier of speciality base oils and fluids throughout Europe, Africa and the Middle East.

SIP oils and fluids are used in a wide variety of applications, including metal working fluids, transmission oils, drilling fluids and in pharmaceutical and cosmetic preparations

SIP maintain over 20,000 MT storage capacity within Europe and can deliver products by ship, road tanker, barge, iso container, flexibag and drums. Independent inspectors certify that all products meet quality guarantees.

SIP has **ISO 9001:2008** accreditation.

### ID LP Series

The **ID LP (Isomerised Dewaxed Low Pour)** series are highly refined, catalytically cracked base oils, producing a predominantly iso-paraffinic product which exhibits exceptional low temperature fluidity, volatility and thermal / oxidative stability characteristics.

**ID LP** base oils are ideal for the formulation of high performance low viscosity lubricants, where low temperature fluidity and low pour points are required, such as; shock absorber and steering fluids, automotive hydraulic fluids & Automatic Transmission Fluids.

### Features of the ID LP Series

- **Low Temperature Fluidity.**

The high proportion of iso-paraffins in the **ID LP** products lowers the crystallisation temperature of the oil, hence making the product ideal for blending products that require low temperature fluidity and pour points.

- **Superior Oxidation / Thermal Stability.**

When appropriate additives are incorporated into **ID LP** products, the resultant oil provides excellent oxidation and thermal stability, equivalent to that of Group IV Palo's (polyalphaolefins).

- **Low Volatility.**

The low Noack volatility values of the **ID LP** series is attributed to the high iso-paraffin content of the base oil which is especially important in high temperature application.

- **Colourless / Odourless.**

**ID LP** products are "water white" with typical Saybolt colour values of +30.

- **Purity.**

**ID LP** products are virtually free of undesirable aromatics and contain no unstable sulphur, nitrogen or oxygenated compounds. Coupled with this purity and stability, is the excellent additive response exhibited by these oils and exceptional water separation.

## Typical Qualities of ID LP Isomerised Dewaxed Low Pour Hydrocracked Oils

	Product / ASTM Method	ID 4LP	ID 7LP	ID 9LP
Viscosity at 40°C, cSt	D445	3.5	7.5	9.6
Viscosity at 100°C, cSt	D445	1.44	2.2	2.6
Flash point – COC, °C	D92	132	170	190
Flash point – PMCC, °C	D93	125	144	-
Pour point, °C	D97	-54	-42	-42
Density at 15°C, kg/l	D1298	0.827	0.830	0.835
Aniline point, °C	D611	88	101	103
UV Absorption (DMSO extract)	FDA 178.3620 (b-ii)	Pass	Pass	Pass
Carbon type analysis	D2140			
Aromatics C <sub>A</sub> %		0	0	0
Naphthenics C <sub>N</sub> %		33	30	29
Paraffinics C <sub>P</sub> %		67	70	71
Colour – Saybolt	D 156	+30	+30	+30
Noack at 200°C, %wt	D5800 mod	-	24.0	15.2
Odour		Very mild	Very mild	Very mild

## ID LP Pour Point Comparison

## ID LP Flash Point Comparison

Detailed specifications are available on request from **SIP**.

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