



## Technical Data sheet

# ILS Process Lubricants

## Additive Free Process Oils

### Description

ILS PL Lubricants are a range of additive free mineral process oils varying in composition from highly Napthenic to highly Paraffinic. These oils have been produced using solvent extraction of high vacuum distilled feedstock.

### Typical Applications

These process oils are suitable for use in a wide range of industrial applications ranging from rubber processing and extending through to metal quenching, printing inks, adhesives, polishes and paints, wood treatment & leather processing products.

### Typical Properties

Parameter	Test Method	Units	PL12	PL32	PL52	PL100	PL450
<b>Colour</b>	ASTM D1500	-	1.5	1.5	2.	<2.0	<4.5 max
<b>Appearance</b>		-	C & B	C & B	C & B	C & B	C & B
<b>Density @ 15 °C</b>	ASTM D1298	Kg/L	.885	.864	.867	.889	.915
<b>Kinematic Viscosity @ 40°C</b>	ASTM D445	cSt	10.15	30	52	113	480
<b>Kinematic Viscosity @ 100°C</b>	ASTM D445	cSt	2.6	5.3	7.6	11.7	29.9
<b>Viscosity Index</b>	ASTM D2270	-	81	111	110	91	95
<b>Flash Point, PMCC</b>	ASTM D92	°C	147	204	222	232	280
<b>Copper Strip</b>	ASTM D130	-	1A	1A	1A	1A	1A

<b>Corrosion (3 hrs @ 100°C)</b>							
<b>Pour Point</b>	ASTM D97	°C	-49	<-9	-9	-9	-3
<b>Total Acid Number</b>	ASTM D94	Mg(KOH) /g	<0.01	0.01	0.01	0.02	0.03
<b>Sulphur</b>	IP 336	%w/w	-	0.50	0.50	0.78	1.1
<b>Hydrocarbon Type</b>							
<b>Paraffinic</b>	ASTM D2140	%w/w	44.0	66	68	62	68
<b>Aromatic</b>	ASTM D2140	%w/w	10.0	1	2	8	10
<b>Napthenic</b>	ASTM D2140	%w/w	46.0	33	30	30	22
<b>Water Content</b>	ASTM D6304	%vol	<20	.004	.004	.01 max	.01 max
<b>Aniline Point</b>	ASTM D611	°C	80	105	110	109	111

**Note: Data is typical and does not constitute a specification**

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