



Base Oils & Lubricant Feedstocks

GROUP III · SOLVENT-NEUTRAL GRADES

CATEGORY OVERVIEW

LUBRICANTS

Base oils and lubricant feedstocks for blending and industrial applications. Grades are presented without product photography and with COA controls.

Included products

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Base Oil Group III - 4 cSt	-	Included	Supplied portfolio
Base Oil SN70	-	Included	Supplied portfolio
Base Oil SN150	-	Included	Supplied portfolio
Base Oil SN300	-	Included	Supplied portfolio
Base Oil SN400	-	Included	Supplied portfolio
Base Oil SN500	-	Included	Supplied portfolio
Base Oil SN600	-	Included	Supplied portfolio

PRODUCT SPECIFICATION

Base Oil Group III - 4 cSt

High viscosity-index Group III base oil with indicative refinery tank results.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Density at 15°C	g/mL	Report / 0.8290 indicative	ASTM D4052 / D1298
Appearance	-	Clear & bright	ASTM D4176-1
Kinematic viscosity at 100°C	cSt	Confirm by batch COA	ASTM D445
Viscosity index	-	127 minimum / 130 indicative	ASTM D2270
Pour point	°C	-18 maximum / -21 indicative	ASTM D97 / D5949 / D5950
Flash point COC	°C	220 minimum / 224 indicative	ASTM D92
Noack volatility	mass %	12.0 maximum / 10.8 indicative	ASTM D5800 B
CCS at -30°C	mPa.s	1,500 maximum / 1,250 indicative	ASTM D5293
Sulphur	mg/kg	10 maximum / 5 indicative	ASTM D2622 / D7039
Water content	mg/kg	50 maximum / 25 indicative	ASTM D6304 / ISO 12937
ASTM colour	-	0.5 maximum / 0.3 indicative	ASTM D1500

Commercial notes

Indicative tank results may vary by 1-2%; final tanker cargo requires a batch-specific COA.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

PRODUCT SPECIFICATION

Base Oil SN70

Light neutral base oil grade for blending and industrial lubricant production.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Grade	-	SN70	Supplier portfolio
Appearance	-	Bright & clear	Visual
Supply type	-	Virgin or recycled by quotation	Commercial
Quality verification	-	Shipment COA	Commercial

Commercial notes

Viscosity, flash point, pour point, colour and TAN are confirmed against the selected producer COA.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

PRODUCT SPECIFICATION

Base Oil SN150

Light neutral base oil.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Appearance	-	Bright & clear	Visual
Colour	-	2 maximum	ASTM D1500
Kinematic viscosity at 100°C	cSt	4.7-5.7	ASTM D445
Kinematic viscosity at 40°C	cSt	> 40	ASTM D445
Viscosity index	-	90 minimum	ASTM D2270
Flash point	°C	200 minimum	ASTM D92
Pour point	°C	-6 maximum	ASTM D97
Noack at 250°C	mass %	15 maximum	ASTM D5800
TAN	mg KOH/g	0.5 maximum	ASTM D664

Commercial notes

Available as virgin or recycled material subject to quotation.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

PRODUCT SPECIFICATION

Base Oil SN300

Medium neutral base oil.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Appearance	-	Bright & clear	Visual
Colour	-	2 maximum	ASTM D1500
Kinematic viscosity at 100°C	cSt	6.5-8.0	ASTM D445
Kinematic viscosity at 40°C	cSt	45.0-65.0	ASTM D445
Viscosity index	-	89-92	ASTM D2270
Flash point	°C	210 minimum	ASTM D92
Pour point	°C	-3 maximum	ASTM D97
Noack at 250°C	mass %	13 maximum	ASTM D5800
TAN	mg KOH/g	0.5 maximum	ASTM D664

Commercial notes

Packing and origin are confirmed at quotation stage.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

PRODUCT SPECIFICATION

Base Oil SN400

Medium-heavy neutral base oil grade.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Grade	-	SN400	Supplier portfolio
Appearance	-	Bright & clear	Visual
Supply type	-	Virgin or recycled by quotation	Commercial
Quality verification	-	Shipment COA	Commercial

Commercial notes

Detailed viscosity, VI, flash point, pour point and TAN are confirmed by shipment COA.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

PRODUCT SPECIFICATION

Base Oil SN500

Heavy neutral base oil.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Appearance	-	Bright & clear	Visual
Colour	-	2 maximum	ASTM D1500
Kinematic viscosity at 100°C	cSt	10.8 minimum	ASTM D445
Kinematic viscosity at 40°C	cSt	108	ASTM D445
Viscosity index	-	87 minimum	ASTM D2270
Flash point	°C	235 minimum	ASTM D92
Pour point	°C	-3 maximum	ASTM D97
Noack at 250°C	mass %	5 maximum	ASTM D5800
TAN	mg KOH/g	0.5 maximum	ASTM D664

Commercial notes

Suitable for approved lubricant blending applications.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

PRODUCT SPECIFICATION

Base Oil SN600

Heavy neutral base oil.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Appearance	-	Bright & clear	Visual
Colour	-	2 maximum	ASTM D1500
Kinematic viscosity at 100°C	cSt	12 minimum	ASTM D445
Kinematic viscosity at 40°C	cSt	127.9	ASTM D445
Viscosity index	-	90 minimum	ASTM D2270
Flash point	°C	246 minimum	ASTM D92
Pour point	°C	-6 maximum	ASTM D97
Noack at 250°C	mass %	5 maximum	ASTM D5800
TAN	mg KOH/g	0.5 maximum	ASTM D664

Commercial notes

Suitable for approved lubricant blending applications.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

COMMERCIAL ENQUIRIES

Request a firm offer and shipment COA.

State the product, grade, quantity, origin preference, delivery basis, destination, packaging, quality standard and inspection requirement.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Product / grade	-	Required	Commercial
Quantity	MT / litres	Required	Commercial
Incoterm	-	FOB / CFR / CIF / FCA	Commercial
Destination	-	Port / country	Commercial
Inspection	-	If required	Commercial

ENQUIRIES THROUGH OPHIR GATE

Mansour@ophirgate.com | ophirgate.com | +971 55 150 1994