

KEEPING PLANTS RUNNING.

Industrial Lubricants

Hydraulic, gear, compressor, turbine, circulating, heat transfer and gas engine oils for plants and factories.

Pour que l'usine continue de tourner

Huiles hydrauliques, engrenages, compresseur, turbine, circulation, caloporteurs et moteurs à gaz — toute l'usine

WHY MOTTA

One supplier for the whole plant.

Toutes les huiles de l'usine, un seul fournisseur

MOTTA supplies industrial lubricants for export and runs private-label programmes for distributors and plant buyers. Direct export supply, produced by our long-term manufacturing partner in China, contracted and invoiced by TIANSHU ENERGY GROUP CO., LIMITED in Hong Kong.

MOTTA fournit des lubrifiants industriels à l'export et réalise des programmes en marque privée pour distributeurs et acheteurs industriels. Vente directe à l'export, production assurée par notre partenaire industriel de longue date en Chine, contrat et facturation par TIANSHU ENERGY GROUP CO., LIMITED à Hong Kong.

WHAT WE SUPPLY

Hydraulic · Slideway · Gear · Compressor · Refrigeration
Turbine · Circulating · Heat transfer · Gas engine · Vacuum pump

Hydraulique · glissières · engrenages · compresseur · froid · turbine ·
circulation · caloporteur · moteur à gaz · pompe à vide

15

industrial series

15–25

working days to ship

EN TDS

for every product

15 gammes industrielles · expédition en 15–25 jours ouvrés · TDS en anglais pour chaque produit

RETAIL-PACK SAMPLES

Free; you pay the freight, or it is credited to your first order.

Échantillons de détail gratuits

CONTAINER PROGRAMMES

Products mixed in one container; trial quantities considered.

Programmes par conteneur

DATA SHEET + HANDBOOK

An English TDS for every product and a handling handbook for every series.

Fiches techniques et manuels d'utilisation

24-HOUR REPLY

A real person answers every enquiry, weekends included.

Réponse sous 24 heures



Blending at our long-term manufacturing partner in China

APPLICATION MAP

Find your equipment. The oil follows.

Trouvez votre équipement, l'huile suit

EQUIPMENT	WHAT THE NAMEPLATE OR MANUAL SAYS	MOTTA PRODUCT	PACKS
Hydraulic presses, injection moulding, machine-tool hydraulics Presses hydrauliques, presses à injecter, hydraulique de machines-outils	Anti-wear hydraulic oil HM (DIN 51524-2) ISO VG 32, 46 or 68	Y Series anti-wear hydraulic oil Incl. high-pressure, low-zinc and full synthetic	18L · 200L
Hydraulics next to furnaces or casting lines Circuits hydrauliques près des fours et lignes de coulée	Fire-resistant fluid, HFC water-glycol ISO 6743-4 HFC	F3000 fire-resistant hydraulic fluid Check seals and paints are HFC-rated	18L · 200L
Machine-tool slideways Glissières de machines-outils	Slideway oil (ISO 6743-13 G) ISO VG 68 or 220	G500 slideway oil One oil for hydraulics and ways: G200	18L · 200L
High-speed spindles Broches à grande vitesse	Spindle oil (ISO 6743-2 FD) ISO VG 2 to 22	SH spindle and hydraulic oil	18L · 200L
Enclosed gearboxes and reducers Réducteurs et engrenages fermés	Industrial gear oil CLP (DIN 51517-3) ISO VG 150 to 460	L Series industrial gear oil Mineral, PAO and PAG synthetic grades	18L · 200L
Open gears on mills and kilns Engrenages ouverts de broyeurs et fours	Open gear lubricant, semi-fluid	OPG460 open gear lubricant NLGI 00-0	18L · 200L
Screw and piston air compressors Compresseurs à vis et à pistons	Air compressor oil (ISO 6743-3 DAA / DAB / DAG) ISO VG 32, 46 or 68	S Series compressor oil Mineral and full synthetic PAO	18L · 200L

SEND THE NAMEPLATE. WE MATCH THE OIL.

The equipment maker's requirement governs. Send a photo of the nameplate or manual page: grade and pack come back.

L'exigence du constructeur fait foi — envoyez la plaque ou la page du manuel et nous choisissons l'huile.

APPLICATION MAP

Find your equipment (continued).

Trouvez votre équipement (suite)

EQUIPMENT	WHAT THE NAMEPLATE OR MANUAL SAYS	MOTTA PRODUCT	PACKS
Refrigeration compressors	Depends on the refrigerant	RC refrigeration oil	18L · 200L
Compresseurs frigorifiques	Ammonia or HFC / CO ₂	RC300 for ammonia, RC500 for HFC and CO ₂	
Steam and gas turbines	Turbine oil (DIN 51515-1 L-TD)	T Series turbine oil	18L · 200L
Turbines à vapeur et à gaz	ISO VG 32 or 46	Incl. a zinc-free grade	
Circulating systems and plant bearings	Rust- and oxidation-inhibited circulating oil	H Series circulating oil	18L · 200L
Systèmes de circulation et paliers d'usine	ISO VG 32 to 460	Paper machines: H50 synthetic	
Thermal oil heaters	Heat transfer oil (DIN 51522)	D Series heat transfer oil	18L · 200L
Chaudières à fluide caloporteur	Maximum bulk and film temperature	Get the temperature limits in writing before use	
Gas engines, CHP and gas compression	Gas engine oil, ash level set by the engine maker	Q Series gas engine oil	18L · 200L
Moteurs à gaz, cogénération, compression de gaz	SAE 40	Low-ash for catalysts, high-TBN for sour gas	
Rotary-vane vacuum pumps	Vacuum pump oil (DIN 12185)	VP100 vacuum pump oil	18L · 200L
Pompes à vide à palettes	ISO VG 100		

SEND THE NAMEPLATE. WE MATCH THE OIL.

The equipment maker's requirement governs. Send a photo of the nameplate or manual page: grade and pack come back.

L'exigence du constructeur fait foi — envoyez la plaque ou la page du manuel et nous choisissons l'huile.

CONTROL STARTS WHERE PRESSURE BUILDS.

Hydraulic oils for presses, injection moulding and machine-tool hydraulics.

Là où la pression monte, la maîtrise commence.

HYDRAULIC OILS

Hydraulic oils for plants and factories.

Huiles hydrauliques pour l'industrie

Anti-wear HM oils formulated to DIN 51524 Part 2 performance, plus a fire-resistant HFC fluid for hydraulics near furnaces and casting lines.

Huiles hydrauliques anti-usure formulées selon la DIN 51524-2 (HM), plus un fluide HFC difficilement inflammable près des fours et lignes de coulée.

MOTTA Y100

Anti-usure standard

Anti-wear HM for general plant hydraulics

VG 32 / VG 46 / VG 68 / VG 100 / VG 150

Packs: 18L · 200L

MOTTA Y200

Anti-usure haute pression

High-pressure pumps and heavy-duty circuits

VG 10 / VG 22 / VG 32 / VG 46 / VG 68 / VG 100

Packs: 18L · 200L

MOTTA Y300

Faible teneur en zinc

Low zinc (≤500 ppm) where the OEM limits zinc

VG 15 / VG 22 / VG 32 / VG 46 / VG 68 / VG 100 / VG 150

Packs: 18L · 200L

MOTTA Y400

100 % synthétique

Full synthetic PAO, VI above 150, wide temperature range

VG 32 / VG 46 / VG 68 / VG 100

Packs: 18L · 200L

MOTTA F3000

Fluides hydrauliques difficilement inflammables

HFC water-glycol fire-resistant fluid, ISO 12922 type

HFC type

Packs: 18L · 200L



MOTTA 200L drum and Y200 18L pail

Switching to HFC? Check seals, paints and filters first.

Water-glycol fluids need HFC-compatible materials. Drain and flush mineral oil out before filling.

Avant de passer au HFC, vérifiez joints, revêtements et éléments filtrants.

PRODUCT TECHNICAL PROFILE

MOTTA Y100 hydraulic oil.

Huile hydraulique MOTTA Y100

MOTTA Y100

Anti-Wear Hydraulic Oil

VG 32 / VG 46 / VG 68 / VG 100 / VG 150



PROPERTY	UNIT	VG 32	VG 46	VG 68	VG 100	VG 150
Kinematic Viscosity @ 40°C	cSt	32	46	68	100	150
Kinematic Viscosity @ 100°C	cSt	5.5	6.8	8.4	11.1	14.5
Viscosity Index		103	100	106	95	95
Pour Point	°C	-24	-24	-18	-18	-17
Flash Point (COC)	°C	212	230	234	243	258

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA Y200 hydraulic oil.

Huile hydraulique MOTTA Y200

MOTTA Y200

High Pressure Anti-Wear Hydraulic Oil

VG 10 / VG 22 / VG 32 / VG 46 / VG 68 / VG 100



PROPERTY	UNIT	VG 10	VG 22	VG 32	VG 46	VG 68	VG 100
Kinematic Viscosity @ 40°C	cSt	11	22	31.4	44.2	71.2	95.2
Kinematic Viscosity @ 100°C	cSt	2.6	4.5	5.4	6.6	8.5	10.8
Viscosity Index		98	98	98	98	98	98
Pour Point	°C	-30	-30	-27	-27	-21	-20
Flash Point (COC)	°C	173	200	220	232	235	248
Density @ 15°C	kg/L	0.844	0.861	0.87	0.875	0.882	0.887

TYPICAL VALUES

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PRODUCT TECHNICAL PROFILE

MOTTA Y300 hydraulic oil.

Huile hydraulique MOTTA Y300

MOTTA Y300

Low Zinc Hydraulic Oil

VG 15 / VG 22 / VG 32 / VG 46 / VG 68 / VG 100 / VG 150



PROPERTY	UNIT	VG 15	VG 22	VG 32	VG 46	VG 68	VG 100	VG 150
Kinematic Viscosity @ 40°C	cSt	15.6	22.4	32.8	45.6	68.3	99.8	155.6
Kinematic Viscosity @ 100°C	cSt	4.08	5.07	6.64	8.45	11.17	13	17.15
Viscosity Index		168	164	164	164	156	127	120
Pour Point	°C	-54	-53	-53	-45	-39	-33	-30
Flash Point (COC)	°C	180	223	250	232	239	258	257
Density @ 15°C	kg/L	0.837	0.842	0.845	0.85	0.862	0.877	0.882

TYPICAL VALUES

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PRODUCT TECHNICAL PROFILE

MOTTA Y400 hydraulic oil.

Huile hydraulique MOTTA Y400

MOTTA Y400

Full Synthetic Hydraulic Oil

VG 32 / VG 46 / VG 68 / VG 100



PROPERTY	UNIT	VG 32	VG 46	VG 68	VG 100
Kinematic Viscosity @ 40°C	cSt	32	46	68	100
Kinematic Viscosity @ 100°C	cSt	6.3	8.2	11.51	15.94
Viscosity Index		145	155	158	160
Pour Point	°C	-56	-51	-53	-52
Flash Point (COC)	°C	233	234	241	243

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA F3000 fire-resistant hydraulic fluid.

Fluide hydraulique difficilement inflammable MOTTA F3000

MOTTA F3000

HFC Water-Glycol Fire-Resistant Hydraulic Fluid



PROPERTY	UNIT	F3000
Kinematic Viscosity @ 40°C	cSt	41.4
Viscosity Index		174
Specific Gravity @ 15/15°C		1.09
Pour Point	°C	-29
Water Content	%	44
pH		9.5
Colour / Appearance		Red

TYPICAL VALUES

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MACHINE TOOL OILS

Slideway, spindle and dual-purpose oils.

Huiles pour glissières, broches et usage mixte hydraulique-glissières

Oils for the moving parts of machine tools: slideways that must not stick-slip, high-speed spindles, and machines that run hydraulics and ways on one oil.

Huiles pour les mouvements des machines-outils : glissières sans stick-slip, broches rapides et machines où une seule huile sert l'hydraulique et les glissières.

MOTTA G500

Huiles pour glissières

Slideway oil with anti stick-slip performance

VG 32 / VG 68 / VG 150 / VG 220

Packs: 18L · 200L

MOTTA G200

Hydraulique et glissières

One oil for machine hydraulics and slideways

VG 32 / VG 68

Packs: 18L · 200L

MOTTA SH

Huiles broches et hydrauliques

Low-viscosity spindle and hydraulic oil

VG 2 / VG 5 / VG 10 / VG 15 / VG 22

Packs: 18L · 200L



MOTTA 200L drum · 18L pail also available

Less tramp oil in your coolant.

Slideway oil that separates cleanly from water-based coolant keeps the sump healthier for longer.

Une bonne séparation entre huile de glissières et fluide soluble allonge la vie du bac.

PRODUCT TECHNICAL PROFILE

MOTTA G500 slideway oil.

Huile pour glissières MOTTA G500

MOTTA G500

High Performance Slideway Oil

VG 32 / VG 68 / VG 150 / VG 220



PROPERTY	UNIT	VG 32	VG 68	VG 150	VG 220
Kinematic Viscosity @ 40°C	cSt	32	68	156	221
Viscosity Index		104	105	100	100
Flash Point (COC)	°C	215	229	249	240
Pour Point	°C	-29	-19	-6	-3
Density @ 15°C	kg/L	0.871	0.867	0.886	0.887

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA G200 and SH oils.

Huiles MOTTA G200 et SH

MOTTA G200

Hydraulic & Slideway Oil

VG 32 / VG 68

MOTTA SH

Low-Viscosity Spindle and Hydraulic Oil

VG 2 / VG 5 / VG 10 / VG 15 / VG 22



PROPERTY	UNIT	G200 VG 32	G200 VG 68	SH VG 2	SH VG 5	SH VG 10	SH VG 15	SH VG 22
Kinematic Viscosity @ 40°C	cSt	32	68	2	4.8	10	15	22
Kinematic Viscosity @ 100°C	cSt	5.31	8.56	0.95	1.53	2.61	3.28	4.1
Viscosity Index		96	96	—	—	—	—	—
Pour Point	°C	-12	-6	-35	-15	-15	-9	-29
Flash Point (COC)	°C	210	218	85	102	180	194	212
Density @ 15°C	kg/L	—	—	0.801	0.82	0.845	0.854	0.861

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

THE LOAD RUNS THROUGH THE GEARBOX.

Industrial gear oils for reducers, mills, kilns and conveyors.

Toute la charge passe par le réducteur.

INDUSTRIAL GEAR OILS

Industrial gear oils, CLP.

Huiles d'engrenages industriels CLP

Enclosed gearboxes and reducers, formulated to DIN 51517 Part 3 (CLP) performance, from mineral to PAO and PAG synthetic, plus a semi-fluid lubricant for open gears.

Huiles pour réducteurs fermés formulées selon la DIN 51517-3 (CLP), de la minérale aux synthétiques PAO et PAG, plus un lubrifiant semi-fluide pour engrenages ouverts.

MOTTA L500

Minérale

Mineral CLP for general enclosed gearboxes

VG 68 / VG 100 / VG 150 / VG 220 / VG 320 / VG 460 / VG 680

Packs: 18L · 200L

MOTTA L1000

Mélange synthétique

Synthetic blend for higher temperatures

VG 220 / VG 320 / VG 460

Packs: 18L · 200L

MOTTA L1200

Synthétique premium

Premium synthetic gear and bearing oil

VG 32 / VG 46 / VG 68 / VG 100 / VG 150 / VG 220 / VG 320 / VG 460 / VG 680

Packs: 18L · 200L

MOTTA L800

PAG 100 % synthétique

PAG full synthetic: do not mix with mineral or PAO

VG 68 / VG 100 / VG 150 / VG 220 / VG 320 / VG 460 / VG 680 / VG 1000

Packs: 18L · 200L

MOTTA OPG460

Engrenages ouverts

Semi-fluid open gear lubricant for mills and kilns

VG 460 · NLGI 00-0

Packs: 18L · 200L



MOTTA 200L drum · 18L pail also available

PAG does not mix with mineral or PAO oil.

Converting to L800 needs a full drain and flush. Our L800 handbook shows the steps.

Passer au PAG impose une vidange et un rinçage complets ; la procédure est dans le manuel L800.

PRODUCT TECHNICAL PROFILE

MOTTA L500 industrial gear oil.

Huile d'engrenages industriels MOTTA L500

MOTTA L500

Industrial Gear Oil

VG 68 / VG 100 / VG 150 / VG 220 / VG 320 / VG 460 / VG 680



PROPERTY	UNIT	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460	VG 680
Kinematic Viscosity @ 40°C	cSt	68	100	150	220	320	460	680
Kinematic Viscosity @ 100°C	cSt	8.79	11.3	14.69	19.0	24	30.6	39.1
Viscosity Index		100	97	97	95	97	96	90
Pour Point	°C	-26	-25	-24	-18	-24	-15	-9
Flash Point (COC)	°C	230	230	230	240	240	240	284

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA L1000 synthetic blend gear oil.

Huile d'engrenages semi-synthétique MOTTA L1000

MOTTA L1000 ISO VG 220

Synthetic Blend Industrial Gear Oil

VG 220

MOTTA L1000

Synthetic Blend Industrial Gear Oil

VG 320

MOTTA L1000

Synthetic Blend Industrial Gear Oil

VG 460



PROPERTY	UNIT	L1000 VG 220	L1000 VG 320	L1000 VG 460
Kinematic Viscosity @ 100°C	cSt	19.5	38	48.6
Kinematic Viscosity @ 40°C	cSt	220	334	460
Viscosity Index		95	165	166
Flash Point (COC)	°C	240	240	230
Pour Point	°C	-15	-37	-36
Density @ 15°C	kg/m³	895	0.861	0.863
Copper Corrosion, 3 h @ 100°C	rating	1b	—	—
FZG Scuffing Load Stage	stage	12	—	—

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA L1200 synthetic gear oil.

Huile d'engrenages synthétique MOTTA L1200

MOTTA L1200

Premium Synthetic Gear & Bearing Oil

VG 32 / VG 46 / VG 68 / VG 100 / VG 150 / VG 220 / VG 320 / VG 460 / VG 680 / VG 1000



PROPERTY	UNIT	VG 32	VG 46	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460	VG 680	VG 1000
Kinematic Viscosity @ 40°C	cSt	32	46	68	100	150	220	320	460	680	1000
Kinematic Viscosity @ 100°C	cSt	6.1	8.5	11.5	15.2	21.1	28.4	38.5	50.7	69.0	98.7
Viscosity Index		146	161	163	162	165	169	172	174	180	184
Pour Point	°C	-56	-54	-51	-45	-42	-42	-41	-39	-39	-32
Flash Point (COC)	°C	235	225	224	235	220	220	225	228	225	221
Density @ 15°C	kg/L	0.84	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.88

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA L800 PAG synthetic oil.

Huile synthétique PAG MOTTA L800

MOTTA L800

PAG Full Synthetic Gear, Bearing & Compressor Oil

VG 68 / VG 100 / VG 150 / VG 220 / VG 320 / VG 460 / VG 680 / VG 1000



PROPERTY	UNIT	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460	VG 680	VG 1000
Kinematic Viscosity @ 40°C	cSt	68	100	150	220	320	460	680	1000
Kinematic Viscosity @ 100°C	cSt	11.7	17.2	26.1	38	55.2	76.9	112.4	165.8
Viscosity Index		170	190	210	225	240	250	265	285
Pour Point	°C	-30	-30	-33	-33	-33	-33	-33	-33
Flash Point (COC)	°C	265	265	265	265	265	265	265	260
Density @ 15°C	kg/L	1.078	1.078	1.079	1.077	1.077	1.076	1.076	1.075

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA OPG460 open gear lubricant.

Lubrifiant pour engrenages ouverts MOTTA OPG460

MOTTA OPG460

Open Gear Lubricant Semi-Fluid

VG 460



PROPERTY	UNIT	VG 460
Colour / Appearance		Black
Kinematic Viscosity @ 40°C	cSt	460
Worked Penetration (60x)	0.1mm	400
Dropping Point	°C	201

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

RELIABLE AIR. CONTINUOUS OPERATION.

Compressor, refrigeration and vacuum pump oils.

Air stable, production continue.

COMPRESSOR OILS

Compressor, refrigeration and vacuum pump oils.

Huiles pour compresseurs, groupes frigorifiques et pompes à vide

Air compressor oils to ISO 6743-3 types, refrigeration oils chosen by refrigerant, and a white-oil vacuum pump lubricant.

Huiles compresseur selon l'ISO 6743-3, huiles frigorifiques choisies selon le réfrigérant et huile pour pompes à vide à base de white oil.

MOTTA S600

Minérale

Mineral / semi-synthetic, reciprocating and rotary (DAB/DAB)

VG 32 / VG 46 / VG 68 / VG 100 / VG 150

Packs: 18L · 200L

MOTTA S800

100 % synthétique

Full synthetic PAO for rotary screw compressors (DAB/DAB)

VG 32 / VG 46 / VG 68

Packs: 18L · 200L

MOTTA S220

Compresseurs d'éthylène

Ultra-high pressure ethylene compressor oil

VG 220

Packs: 18L · 200L

MOTTA RC300

Froid à l'ammoniac

Naphthenic refrigeration oil for ammonia systems

VG 32 / VG 68

Packs: 18L · 200L

MOTTA RC500

HFC / CO₂

Full synthetic for HFC and CO₂ systems

VG 15 / VG 22 / VG 32 / VG 46 / VG 68 / VG 100 / VG 220

Packs: 18L · 200L

MOTTA VP100

Huiles pour pompes à vide

Low-volatility white-oil vacuum pump oil, DIN 12185

VG 100

Packs: 18L · 200L



MOTTA 200L drum · 18L pail also available

Refrigeration oil depends on the refrigerant.

Tell us the refrigerant and compressor model: RC300 for ammonia, RC500 for HFC and CO₂.

L'huile frigorifique se choisit selon le réfrigérant : RC300 pour l'ammoniac, RC500 pour les HFC et le CO₂.

PRODUCT TECHNICAL PROFILE

MOTTA S600 compressor oil.

Huile compresseur d'air MOTTA S600

MOTTA S600

Compressor Oil

VG 32 / VG 46 / VG 68 / VG 100 / VG 150



PROPERTY	UNIT	VG 32	VG 46	VG 68	VG 100	VG 150
Kinematic Viscosity @ 40°C	cSt	32	46	68	104	146
Kinematic Viscosity @ 100°C	cSt	5.38	6.87	8.86	11.57	14.65
Viscosity Index		105	105	105	100	100
Flash Point (COC)	°C	235	239	250	264	268
Density @ 15°C	kg/L	0.865	0.875	0.876	0.876	0.865

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA S800 synthetic compressor oil.

Huile compresseur synthétique MOTTA S800

MOTTA S800

Full Synthetic Compressor Oil

VG 32 / VG 46 / VG 68



PROPERTY	UNIT	VG 32	VG 46	VG 68
Kinematic Viscosity @ 40°C	cSt	31	44	66.5
Kinematic Viscosity @ 100°C	cSt	5.6	7	10
Viscosity Index		126	130	135
Pour Point	°C	-47	-46	-44
Flash Point (COC)	°C	244	246	246
Density @ 15°C	kg/L	0.846	0.85	0.855

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA RC refrigeration oils.

Huiles frigorifiques MOTTA RC

MOTTA RC300

Premium Naphthenic Refrigeration Compressor Oil

VG 32 / VG 68

MOTTA RC500

Full Synthetic Refrigeration Compressor Oil

VG 15 / VG 22 / VG 32 / VG 46 / VG 68 / VG 100 / VG 220



PROPERTY	UNIT	RC300 VG 32	RC300 VG 68	RC500 VG 15	RC500 VG 22	RC500 VG 32	RC500 VG 46	RC500 VG 68	RC500 VG 100	RC500 VG 220
Kinematic Viscosity @ 40°C	cSt	32	68	15.8	23	34	49.2	68	105	226
Pour Point	°C	-40	-40	-60	-56	-47	-42	-35	-30	-21
Flash Point (COC)	°C	190	200	—	—	—	—	—	—	—
Specific Gravity @ 15/15°C		0.9	0.9	1.03	1	0.98	0.97	0.96	0.96	0.96
Floc Point	°C	-36	-30	—	—	—	—	—	—	—
Kinematic Viscosity @ 100°C	cSt	—	—	3.6	4.5	5.7	7.3	8.6	11.5	18.5

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA S220 and VP100.

MOTTA S220 et VP100

MOTTA S220

Ultra-High Pressure Ethylene Compressor Oil

VG 220

MOTTA VP100

Low-Volatility White-Oil Vacuum Pump Lubricant

VG 100



PROPERTY	UNIT	S220 VG 220	VP100 VG 100
Kinematic Viscosity @ 40°C	cSt	224	100
Water Content	ppm	50	—
Acid Value	mgKOH/g	6.14	—
Pour Point	°C	-12	-8
Flash Point (COC)	°C	211	—
Density @ 15°C	kg/L	0.88	—
Density	kg/L	—	0.875
Flash Point (PM)	°C	—	270

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

LONG RUNS NEED STABLE OIL.

Turbine, circulating and paper machine oils for continuous service.

Les longs cycles reposent sur une huile stable.

TURBINE & CIRCULATING OILS

Turbine, circulating and paper machine oils.

Huiles turbine, de circulation et pour machines à papier

Rust- and oxidation-inhibited oils formulated to DIN 51515 Part 1 (L-TD) performance, for steam and gas turbines, plant circulating systems and paper machines.

Huiles R&O formulées selon la DIN 51515-1 (L-TD) pour turbines à vapeur et à gaz, circuits de circulation et machines à papier.

MOTTA T50

Huiles turbine

Turbine oil with high oxidation stability

VG 32 / VG 46 / VG 68 / VG 100

Packs: 18L · 200L

MOTTA T100

Huile turbine sans zinc

Zinc-free turbine oil for zinc-restricted systems

VG 32 / VG 46 / VG 68

Packs: 18L · 200L

MOTTA H30

Huiles de circulation

Circulating oil for bearings and circulation systems

VG 32 / VG 46 / VG 68 / VG 100

Packs: 18L · 200L

MOTTA H10

Huile de circulation haute viscosité

Higher-viscosity circulating oil

VG 150 / VG 220 / VG 320 / VG 460

Packs: 18L · 200L

MOTTA H50

Huiles pour machines à papier

Synthetic paper machine oil, high demulsibility

VG 100 / 150 / 220 / 320 / 460

Packs: 18L · 200L



MOTTA 200L drum · 18L pail also available

Trend the oil, not just the calendar.

Oxidation, water and cleanliness tell you when to change. Each series handbook gives screening values.

Décidez la vidange sur la tendance de l'analyse ; chaque manuel donne des valeurs de dépistage.

PRODUCT TECHNICAL PROFILE

MOTTA T50 and T100 turbine oils.

Huiles turbine MOTTA T50 et T100

MOTTA T50

Premium Turbine Oil

VG 32 / VG 46 / VG 68 / VG 100

MOTTA T100

Zinc-Free Turbine Oil

VG 32 / VG 46 / VG 68



PROPERTY	UNIT	T50 VG 32	T50 VG 46	T50 VG 68	T50 VG 100	T100 VG 32	T100 VG 46	T100 VG 68
Kinematic Viscosity @ 40°C	cSt	32	46	68	100	30	45	64
Kinematic Viscosity @ 100°C	cSt	5.5	6.7	8.5	10.6	5.4	6.8	8.6
Viscosity Index		100	100	95	94	116	112	110
Pour Point	°C	-30	-30	-30	-27	-30	-30	-30
Flash Point (COC)	°C	222	217	220	242	228	230	241
Density @ 15°C	kg/L	0.86	0.87	0.87	0.88	0.84	0.86	0.86

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA H30 and H10 circulating oils.

Huiles de circulation MOTTA H30 et H10

MOTTA H30

Premium Circulating Oil

VG 32 / VG 46 / VG 68 / VG 100

MOTTA H10

Premium Circulating Oil

VG 150 / VG 220 / VG 320 / VG 460



PROPERTY	UNIT	H30 VG 32	H30 VG 46	H30 VG 68	H30 VG 100	H10 VG 150	H10 VG 220	H10 VG 320	H10 VG 460
Kinematic Viscosity @ 40°C	cSt	32	44.6	65	95.3	156	216	305	433
Kinematic Viscosity @ 100°C	cSt	5.49	7.1	8.58	10.76	15.6	18.5	23.6	30.1
Viscosity Index		100	99	94	93	95	95	95	95
Pour Point	°C	-18	-15	-15	-15	-18	-18	-9	-9
Flash Point (COC)	°C	216	220	223	235	265	266	276	306
Density @ 15°C	kg/L	0.854	0.861	0.866	0.877	0.879	0.881	0.89	0.888

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA H50 paper machine oils.

Huile pour machines à papier MOTTA H50

H50 ISO VG 100

Synthetic Paper Machine Oil

VG 100

H50

Full Synthetic Paper Machine Oil

VG 150

H50

Synthetic Paper Machine Oil

VG 220

H50

Full Synthetic Paper Machine Oil

VG 320

H50

Full Synthetic Paper Machine Oil

VG 460



PROPERTY	UNIT	H50 VG 100	H50 VG 150	H50 VG 220	H50 VG 320	H50 VG 460
Kinematic Viscosity @ 40°C	cSt	100	159	226	324	464
Kinematic Viscosity @ 100°C	cSt	11.2	18.87	25.56	34.69	44.78
Viscosity Index		100	125	127	130	136
Flash Point (COC)	°C	240	220	220	220	220
Pour Point	°C	-18	-38	-34	-33	-26
Density @ 15°C	kg/m³	880	—	—	—	—
Demulsibility @ 54°C	min	40/40/0	—	—	—	—
Specific Gravity @ 15/15°C		—	0.856	0.864	0.866	0.875

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

HEAT, DELIVERED WHERE IT'S NEEDED.

Heat transfer oils for closed thermal oil systems.

Amener la chaleur là où elle sert.

HEAT TRANSFER OILS

D Series heat transfer oils.

Fluides caloporteurs série D

Mineral and full synthetic heat transfer oils for closed thermal oil systems, referenced to DIN 51522. Choose by the system's maximum bulk and film temperature.

Fluides caloporteurs minéraux et 100 % synthétiques pour circuits fermés, référence DIN 51522. Choisissez selon les températures maximales de bain et de film du système.

MOTTA D310

100 % synthétique

Full synthetic, pour point -50 °C

Full synthetic

Packs: 18L · 200L

MOTTA D315 / D318

Minérale

Mineral heat transfer oils, DIN 51522

DIN 51522

Packs: 18L · 200L

MOTTA D325 / D327

Minérale

Mineral heat transfer oils, DIN 51522

DIN 51522

Packs: 18L · 200L

MOTTA D300

Minérale

Mineral thermal oils in several formulations

Grade-specific TDS

Packs: 18L · 200L



MOTTA 200L drum · 18L pail also available

Get the temperature limits in writing before use.

Send the heater's maximum bulk temperature and film temperature; we confirm the grade against them.

Obtenez les limites de température par écrit avant utilisation.

PRODUCT TECHNICAL PROFILE

MOTTA D300 and D310 heat transfer oils.

Fluides caloporteurs MOTTA D300 et D310

MOTTA D300

Mineral Thermal Transfer Oil

MOTTA D310 SYNTH

Full Synthetic Thermal Transfer Oil



PROPERTY	UNIT	D300	D310 SYNTH
Kinematic Viscosity @ 40°C	cSt	32	16.3
Kinematic Viscosity @ 100°C	cSt	5.4	3.8
Flash Point (COC)	°C	210	220
Pour Point	°C	-12	-50
Density @ 15°C	kg/m³	860	835
Conradson Carbon Residue	% wt	0.05	0.02
Viscosity Index		—	130

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

PRODUCT TECHNICAL PROFILE

MOTTA D315 – D327 heat transfer oils.

Fluides caloporteurs MOTTA D315–D327

D315

Heat Transfer Oil D315

D318

Heat Transfer Oil D318

D325

Heat Transfer Oil D325

D327

Heat Transfer Oil D327



PROPERTY	UNIT	D315	D318	D325	D327
Kinematic Viscosity @ 40°C	cSt	20	30	113	490
Kinematic Viscosity @ 100°C	cSt	4.1	5.3	11.6	31.5
Pour Point	°C	-15	-12	-6	-6
Flash Point (COC)	°C	195	229	251	293
Specific Gravity @ 15/15°C		0.834	0.856	0.878	0.905

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

POWER AROUND THE CLOCK.

Gas engine oils for generator sets, CHP and gas compression.

Production continue, protection continue.

GAS ENGINE OILS

Q Series gas engine oils.

Huiles pour moteurs à gaz série Q

SAE 40 oils for stationary gas engines. The engine maker sets the ash level: low ash protects catalysts; higher TBN handles sour gas.

Huiles SAE 40 pour moteurs à gaz stationnaires. Le taux de cendres suit le motoriste : faible teneur pour protéger le catalyseur, BN élevé pour les gaz soufrés.

MOTTA Q3000

Faible teneur en cendres

Premium low-ash gas engine oil

SAE 40

Packs: 18L · 200L

MOTTA Q1000

BN élevé

High-TBN gas engine oil for sour gas

SAE 40

Packs: 18L · 200L



MOTTA 200L drum · 18L pail also available

PRODUCT TECHNICAL PROFILE

MOTTA Q gas engine oils.

Huiles pour moteurs à gaz MOTTA Q

MOTTA Q3000

Premium Low-Ash Gas Engine Oil

SAE 40

MOTTA Q1000

High-TBN Gas Engine Oil

SAE 40



PROPERTY	UNIT	Q3000 SAE 40	Q1000 SAE 40
Kinematic Viscosity @ 40°C	cSt	130	130
Kinematic Viscosity @ 100°C	cSt	13.5	13.7
Viscosity Index		99	102
Pour Point	°C	-11	-18
Flash Point (COC)	°C	260	265
Specific Gravity @ 15/15°C		0.9	—
Sulfated Ash	wt%	0.5	1.1
TBN	mgKOH/g	6.2	8.5

TYPICAL VALUES

Values of current production from the published English TDS; the batch COA ships with every order. “—” means no value is published for that grade.

QUALITY

Quality you can check for yourself.

Une qualité que vous pouvez vérifier vous-même

We would rather you verify than take our word for it. Every point below is something you can check before, or on, your first order.

Plutôt que de nous croire, vérifiez. Chaque point ci-dessous se contrôle avant la commande ou dès la première.

BATCH COA WITH EVERY ORDER

Each shipment carries the certificate of analysis for its batch. Compare it with the published TDS.

Un COA par lot, à comparer à la fiche technique

DOCUMENTS BEFORE YOU BUY

125 technical data sheets and 22 operation handbooks are public at motta-lube.com, no form to fill.

Fiches techniques et manuels publiés avant la commande

SEE THE PRODUCTION

Visit the plant, or ask for a live video audit, before you commit to an order.

Visite d'usine ou audit vidéo avant de commander

TEST IT FIRST

Retail-pack samples free for your own lab. You pay the freight, or it is credited to your first order.

Échantillons de détail gratuits : analysez avant de commander



Laboratory at our long-term manufacturing partner in China

ASK FOR THE SAMPLE, THE COA AND A VIDEO AUDIT.

Tell us the product and your port. We send the sample and the documents, and book the audit at a time that suits you.

Indiquez les produits et le port — nous envoyons échantillons et documents et fixons l'audit vidéo.

DOCUMENTS & ORDERING

Everything an audit asks for, ready.

Les documents attendus pour un audit ou un appel d'offres

TECHNICAL DATA SHEET

An English TDS for every product, downloadable at motta-lube.com without a form.

[Fiches techniques](#)

OPERATION HANDBOOK

Use, storage, oil-condition and change guidance for every industrial series.

[Manuels d'utilisation et de manipulation](#)

SAFETY DATA SHEET

The SDS comes with your quote, in the language your market needs.

[Fiches de données de sécurité](#)

CERTIFICATE OF ANALYSIS

A batch COA ships with every order.

[COA par lot](#)

CHANGING BRAND OR OIL TYPE?

Tell us the oil in the machine today. We check compatibility and tell you whether to drain and flush.

Dites-nous l'huile en place : nous vérifions la compatibilité et vous disons s'il faut vidanger et rincer.

HOW TO ORDER

1

Send the nameplate or the spec

Equipment, manual photo, or the oil in the machine today.

2

Get the grade and a price

Answered within 24 hours, weekends included.

3

Test the free sample

Pay the freight, or have it credited to your first order.

4

Ship in 15–25 working days

T/T: 30% deposit, balance before shipment. FOB Xiamen; CFR and CIF quoted.

TELL US THE EQUIPMENT. WE MATCH THE OIL.

Nameplate or manual photo, operating conditions and volume. You get the grade, the data sheet, the handbook and a price within 24 hours.

Photo de la plaque ou du manuel, conditions de service, volume — grade, fiche technique et prix sous 24 heures

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