Texaco greases transition guide

We've rationalised our portfolio and introduced a new, more consistent naming convention for our grease products, making it easier to find the right grease for your requirements. This guide summarises our new, simplified ranges with details on the existing products that have transitioned to the new Texaco® greases portfolio.

New product ranges		Key attributes and example applications
Texaco **Texclad**	**Aluminium complex (AlX)** speciality grease for extra duty, heavy duty and extreme pressure sprayable applications	+ Good shear stability & pumpability at lower temperatures + Good water resistance ***Usage:*** steel mill roll neck; open gears
Texaco **Starplex**	**Lithium complex (LiX)** greases for extra duty, heavy duty and extreme pressure applications	+ Good water resistance & load carrying properties + Suitable for a wide range of applications + Good oxidation stability ***Usage:*** wheel bearings; automotive industry; wide variety of other uses
Texaco **Black Pearl**	**Polyurea** greases for filled/sealed-for-life and high-speed motor applications	+ Ashless + Oxidation resistance + Low noise, seal for life ***Usage:*** electric motor bearings; steel mills; constant velocity joints
Texaco **Multifak**	**Simple lithium (Li)** heavy duty multi-purpose greases for extreme pressure applications	+ Good general-use grease + Low temperature properties such as pumpability + Good working stability, load carrying, shear stability & water resistance properties ***Usage:*** ball bearings; wide variety of other uses
Texaco **Marfak**	**Calcium (Ca) anhydrous** multi-purpose grease	+ Good water resistance & load carrying properties + Suitable for a wide range of applications + Good oxidation stability ***Usage:*** ball bearings requiring resistance to water; wide variety of other uses
	Calcium complex (CaX) multi-purpose grease	+ Good water, corrosion resistance & carrying properties + Suitable for a wide range of applications + Good oxidation stability + Good pumpability in centralised systems ***Usage:*** cement, steel & paper industries; mining
	Sodium (Na) multi-purpose grease	+ Provides a tough durable film, good adhesion & cohesion + Resists pounding out in service ***Usage:*** roller & friction bearings; closed gearboxes

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NEW PRODUCT NAMING

With our new Texaco® grease products, each part of the name represents specific information about the product that is essential to your grease selection.

Base Oil viscosity

When selecting the right grease for your operation, the viscosity of the base lubricant (Base Oil) has a significant part to play. The higher the viscosity of a liquid, the thicker it is and so the greater the resistance to flow.

As a general rule, standard multi-purpose greases using a medium viscosity Base Oil (EP: 150-349 mm^2/s @40°C) will cover 75% of requirements, where operations run at a **relatively high speed**, with **low to medium loads** and **no extreme temperatures**. However, for the remaining 25% of application requirements, a different grease is needed.

For **high (or very high) load applications** which operate at **higher (or very high) temperatures** and therefore need to run at **lower (or very low) speeds**, a thicker grease is required with a high (HD: 350-499 mm^2/s @40°C) or very high (XD: 500-≥680 mm^2/s @40°C) Base Oil viscosity.

In **low temperature environments**, equipment needs to run at **high (or very high) speeds**, so require the grease to be more liquid (thinner and less sticky), meaning a low Base Oil viscosity (HM: ≤100-149 mm^2/s @40°C).

However, whilst the Base Oil element of the grease, which accounts for up to 95% of the formulation, is an important factor when determining suitability, it's the addition of thickeners and additives, as well as the manufacturing process, that make the difference.

Base Oil viscosity is indicated by the **Load suffix** 2, from low (HM), medium (EP*), high (HD) to very high (XD).

Load suffix	Base Oil viscosity (mm2/s @ 40°C)	
HM	≤100 – 149	(low)
EP*	150 – 349	(medium)
HD	350 – 499	(high)
XD	500 – ≥680	(very high)

Thickener

Thickeners combine with the base lubricant to produce the required consistency of the grease. The higher the consistency, the more resistant the grease is to leaking under force.

Thickening agents can be based on 'metallic soaps' (such as lithium, aluminium, sodium and calcium), 'complex soaps' (where a complexing agent is added to the soap to help improve performance) and 'non-soap' (generally used for special applications such as high-temperature environments).

Since it's the thickener that drives a grease's suitability for different uses and applications, by providing its main structure and consistency, our new product families are grouped by the type of thickener technology.

Thickener type is indicated by the **Product name** 1.

NLGI grade

The NLGI grade classifies the final consistency of the grease, as a result of its individual Base Oil/Thickener/Additive formulation. NLGI grading ranges from 0 (and 00, 000) which is very fluid to 6, which is hard.

The **NLGI grade** 3 is indicated after the Load suffix.

Additives

All Texaco greases are formulated with additives that help enhance the performance of the Base Oil.

Additives come in the form of 'chemically inert' additives (such as polymers or those that can modify tackiness or viscosity) and 'chemically active' additives (which can improve anti-wear, anti-rust and oxidation properties, or improve sealability and performance under extreme pressure).

The third type of additives are 'solids' which are most useful in protecting heavily loaded bearings from fretting wear, scuffing and seizing. Some can also provide added durability as well as protection under extreme pressure. Types of solid additives include molybdenum disulfide (moly), graphite, calcium carbonate, zinc oxide and titanium dioxide.

Any **Moly additive** 4 is indicated as a percentage.

*** Please note:** whilst the acronym 'EP' in grease product names has often referred to its 'Extreme Pressure' attributes, this is not always the case. The inclusion of 'EP' in our Texaco grease products indicates that the original Base Oil has been classified as medium viscosity (150-349 mm^2/s @40°C). And whilst this MAY contribute towards Extreme Pressure properties, it is a grease's four ball weld load and the addition of specific extreme pressure additives that determine its definition. **Always refer to the PDS, where a grease's Extreme Pressure attributes will be identified**.

TRANSITIONING PRODUCTS: OLD VS NEW

New name	Existing name	Colour	Base Oil viscosity (mm²/S @ 40°C)	NLGI	Solids (MoS_2)	New SAP codes 180kg	50kg	18kg	24x 400g
Texclad EPS 1	**Texclad AL EP** 1		320	1		804661FOE			
Texclad XDS 0	**Texclad AL HV** 0		2500	0		804662FOE			
Texclad XDS 00/000	**Texclad AL EP** 00/000		2500	00/000		804660FOE			
Starplex CG 2	**Coupling Grease EP** 2		650	2		804630FOE			
Starplex EP 2	**Delo Starplex EP** 2		220	2		804636FOE	804636877	804636ICE	804636RGE
Starplex HD 1	**Starplex HT** 1		530	1		804637FOE			
Starplex HM 3	**Starplex EP** 3		115	3				804657ICE	
Starplex Syn HD 1.5	**Ulti-Plex S Grease EP**		350	1.5		804638FOE		804638ICE	
Black Pearl Syn HD 2	**High Temp Premium** 2		400	2			804654877	804654ICE	
Multifak CG	**Coupling Grease**		700	1			804629877	804629ICE	804629RGE
Multifak EP 0 ***M3***	**Molytex EP** 0		200	0	3%	804631FOE			
Multifak EP 2 ***M3***	**Molytex EP** 2		200	2	3%	804632FOE	804632877	804632ICE	804632RGE
Multifak HM 00/000	**Multifak 264 EP** 00/000		45	00/000		804656FOE	804656877	804656ICE	
Multifak HM 2	**Multifak** 142		120	2				804633ICE	
Multifak HM 3	**Multifak Premium** 3		120	3			804634877	804634ICE	
Multifak XD 2	**Multifak T EP** 2		680	2		804635FOE		804635ICE	804635RGE
Marfak Bio EliteSyn HD 0	**Clarity Synthetic EA Grease** 0		460	0				804589ICE	
Marfak Bio EliteSyn HD 2	**Clarity Synthetic EA Grease**		560	2				804590ICE	
Marfak EP 2	**Novatex EP** 2		220	2				804628ICE	
Marfak HM 2	**Texando CX EP** 2		145	2		804658FOE			
Marfak XD 2 ***M3***	**Texclad** 2		>1000	2	3%	804659FOE		804659ICE	
Marfak Na XD 00	**Marfak** 00		1100	00				804655ICE	

To find out more about the full range of Texaco® greases, contact your Texaco Representative, your Authorised Texaco Lubricants Distributor or visit **texacolubricants.com**

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Chevron's Family of Brands

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