





## FTS SERVICE PROGRAM – TAILOR-MADE FOR YOU

At PETRONAS, we believe success is made by close partnerships. It is that very belief that drives us to work together with you in overcoming the challenges you face from demands of higher productivity to operating under intense, severe conditions.

That's why we present to you our **Fluid Technology Solutions™** Service Program - a tailor-made range of services designed to maximise your business performance. From specialised on-site analysis to emergency support for operational recovery, we are committed to assisting you in every possible situation.

Partner with us and take your business to the next level.



### **PROVEN EXPERTS**, ALWAYS READY TO HELP!

At the heart of our services, our experts strive to give you the peace-of-mind you're looking for.

Partner with us and take your business to the next level.



For more information, please contact:

PETRONAS Fluid Technology Soluti⊳ns™

# **TAKING YOU TO THE NEXT LEVEL IN OPERATIONAL PERFORMANCE CEMENT INDUSTRY**

PETRONAS Lubricants International (PLI) is the global lubricant division of PETRONAS,

from our 100 years of experience. We believe in maximising your productivity with value-added products and services that are global, yet personal – our presence in 128

PLI's differentiator is product excellence, developed by world-class Technology Centres and brought to your market with local expertise. Our passion for performance improvement makes us an obvious choice for key OEMs and delivers success in Formula One Motorsport. Now, it has translated into a comprehensive

unexpected and costly breakdowns and to extend maintenance intervals and the operating life of the equipment.

As the preferred strategic partner and provider of lubrication solutions to major With PETRONAS on board, you can be cement producers worldwide, we have assured of a reliable partner for progress.

offerings and expert services. It is designed to help your business reach new levels in productivity and profitability by enabling improved efficiency and quality.

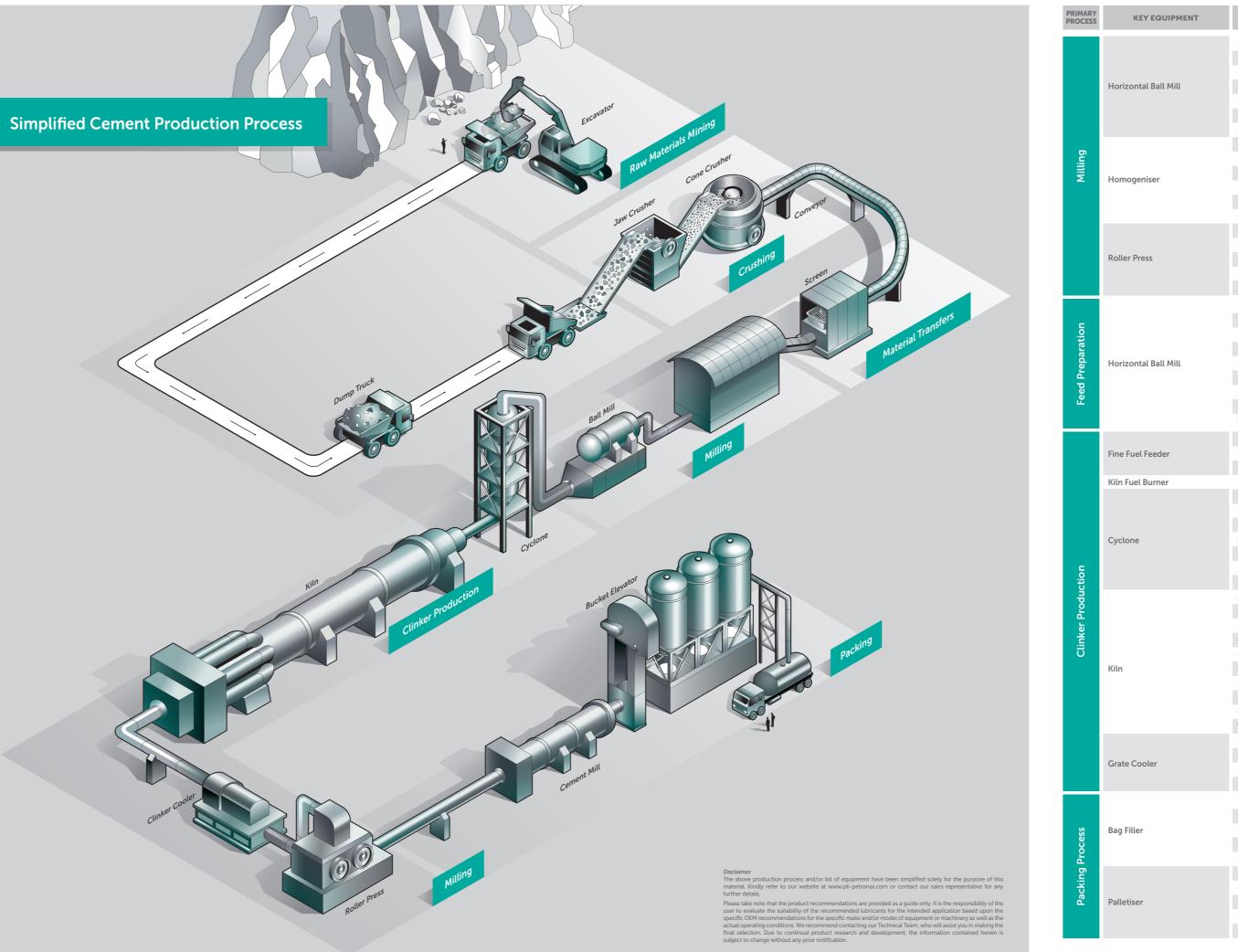


## YOUR KEY TO MAXIMISING PERFORMANCE

By focusing our expertise and utilising the latest advances in lubrication technology, we have developed a comprehensive range of state-of-the-art lubricants that meets the needs of all cement production equipment. Choose the correct lubricant for equipment requirements and watch your productivity accelerate to the next level.



IARY CESS	KEY EQUIPMENT	KEY LUBRICATION PARTS	LUBRICANT	STANDARD	PREMIUM	SUPREME
	Drilling Machine	Cooling System	Coolant Fluid	PETRONAS Paraflu 11	PETRONAS Paraflu Up Ready	
		Compressor	Air Compressor Oil	PETRONAS Compressor A M 2	PETRONAS Compressor A M 4	PETRONAS Compressor A PAO
		Engine	Engine Oil	PETRONAS Urania LD 7	PETRONAS Urania 5000E	PETRONAS Urania 7000E
		Hydraulic System	Hydraulic Fluid	PETRONAS Hydraulic	PETRONAS Hydraulic HV	PETRONAS Hydraulic ESF
		Pneumatic Drill Head	Air Tool Oil	PETRONAS ATO		-
		Thread Compound	Grease	PETRONAS Grease Li AS		
		Transmission	Transmission Fluid	PETRONAS Powertrans T4 50W		
		Slewing Ring	Grease			PETRONAS Grease LiCa MG HL
		Vertical Bearing	Grease		PETRONAS Grease CaSx	PETRONAS Grease LiX Syn 2/220
		Cooling System	Coolant Fluid	PETRONAS Paraflu 11	PETRONAS Paraflu Up Ready	
	Wheel Loaders, Excavators, Bulldozers, Dump Trucks	Engine	Engine Oil	PETRONAS Urania LD 7	PETRONAS Urania 5000E	PETRONAS Urania 7000E
		Final Drive	Transmission Fluid	PETRONAS Powertrans T4 50W		
		Grease Points	Grease	PETRONAS Grease LiX MEP	PETRONAS Grease LiCa MG HL	PETRONAS Grease LiCa MG XHL
		Hydraulic System / Steering	Transmission Fluid	PETRONAS Powertrans T4 10W		
		Transmission	Transmission Fluid	PETRONAS Powertrans T4 30W		
	Conveyors / Feeders / Screens	Bearings	Grease	PETRONAS Grease Li EP 2		PETRONAS Grease LiX Syn 2/220
		Coupling <sup>(1)</sup>	Grease	PETRONAS Grease Li 2	PETRONAS Grease PE HS	
		Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
		Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
		Hydraulic System	Hydraulic Fluid	PETRONAS Hydraulic	PETRONAS Hydraulic HV	PETRONAS Hydraulic ESF
	Blowers	Blowers	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
		Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
	Bucket Elevators / Screw Conveyors	Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
		Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
		Plumber Block Bearing	Grease	PETRONAS Grease LiX EP 2/380		PETRONAS Grease CaSX
	Stackers / Reclaimers	Cables	Grease	PETRONAS Grease LiCa GEP 2.5		
		Chain	Slideway Oil	PETRONAS Slideway		
		Bearings	Grease	PETRONAS Grease LiX EP 2/380		PETRONSA Grease LiX Syn 2/220
		Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP (3)	PETRONAS Gear FL	PETRONAS Gear Syn PAO
		Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
		Open Gears	Grease		PETRONAS Grease LiCa TMG	
	Cone / Gyratory / Impact / Jaw / Roller Crushers	Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
		Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP (3)	PETRONAS Gear FL	PETRONAS Gear Syn PAO
		Hydraulic System	Hydraulic Fluid	PETRONAS Hydraulic	PETRONAS Hydraulic HV	PETRONAS Hydraulic ESF
		Plain Bearings (Oil)	Gear Oil	PETRONAS Gear MEP (3)	PETRONAS Gear FL	PETRONAS Gear Syn PAO
		Plain Bearings / Roller Bearings (2)	Grease	PETRONAS Grease LiX MEP	PETRONAS Grease LiCa MG HL	PETRONAS Grease LiCa MG XHL
		Spider Bush Bearing	Grease	PETRONAS Grease LiX MEP	PETRONAS Grease LiCa MG HL	PETRONAS Grease LiCa MG XHL
		Spider Bush Bearing (Oil)	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
	Vertical Roller Mill	Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
Milling		Electric Motor - Plain Bearing (Oil)	Hydraulic Fluid	PETRONAS Hydraulic	PETRONAS Hydraulic HV	PETRONAS Hydraulic ESF
		Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
		Hydraulic System	Hydraulic Fluid	PETRONAS Hydraulic	PETRONAS Hydraulic HV	PETRONAS Hydraulic ESF
		Mill Bearing / Worm Gear	Gear Oil	PETRONAS Circula		PETRONAS Gear Syn PAG
		Mill Bearings	Grease	PETRONAS Grease LiX MEP	PETRONAS Grease LiCa MG HL	PETRONAS Grease LiCa MH XHL



KEY LUBRICATION PARTS	LUBRICANT	STANDARD	PREMIUM	SUPREME
Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
Electric Motor (Oil)	Hydraulic Fluid	PETRONAS Hydraulic	PETRONAS Hydraulic HV	PETRONAS Hydraulic ESF
Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP (3)	PETRONAS Gear FL	PETRONAS Gear Syn PAO
Hydraulic System	Hydraulic Fluid	PETRONAS Hydraulic	PETRONAS Hydraulic HV	PETRONAS Hydraulic ESF
Plain Bearings (Oil)	Circulating Oil	PETRONAS Circula		PETRONAS Circula Syn
Slipper Pad Bearing (Grease)	Grease	PETRONAS Grease LiX EP 2/380		PETRONAS Grease LiX Syn 2/460
Slipper Pad Bearing (Oil)	Circulating Oil	PETRONAS Circula		PETRONAS Circula Syn
Compressor	Air Compressor Oil	PETRONAS Compressor A M 2	PETRONAS Compressor A M 4	PETRONAS Compressor A PAO
Blowers	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
Fans Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
Fans - Plain Bearings (Oil)	Circulating Oil	PETRONAS Circula		PETRONAS Circula Syn
Plumber Block Bearing	Grease	PETRONAS Grease LiX EP 2/380		PETRONAS Grease CaSX
Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
Hydraulic System	Hydraulic Fluid	PETRONAS Hydraulic	PETRONAS Hydraulic HV	PETRONAS Hydraulic ESF
5	Grease	PETRONAS Grease LiX EP 2/380	1 Enterno Hydraute HV	PETRONAS Hydraulic ESF PETRONAS Grease LiX Syn 2/460
Press Bearings				
Press Bearings (Oil)	Circulating Oil	PETRONAS Circula		PETRONAS Circula Syn
Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
Electric Motor - Plain Bearings	Hydraulic Fluid	PETRONAS Hydraulic	PETRONAS Hydraulic HV	PETRONAS Hydraulic ESF
Fans Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
Fans - Plain Bearings	Circulating Oil	PETRONAS Circula		PETRONAS Circula Syn
Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
Hydraulic System	Hydraulic Fluid	PETRONAS Hydraulic	PETRONAS Hydraulic HV	PETRONAS Hydraulic ESF
Mill Trunion Bearing	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
Mill Bearing	Circulating Oil	PETRONAS Circula		PETRONAS Circula Syn
Open Gears	Grease			
- Flashia Matay Desvines	Creases		DETRONAS Crosse DU	
Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	DETRONAC Current Lin Curr 2/460
Bearings	Grease	PETRONAS Grease LiX EP 2/380		PETRONAS Grease Lix Syn 2/460
Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
Fans	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	PETRONAS Grease LiX Syn 2/100
Compressor	Air Compressor Oil	PETRONAS Compressor A M 2	PETRONAS Compressor A M 4	PETRONAS Compressor A PAO
Damper / Actuator valves	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP (3)	PETRONAS Gear FL	PETRONAS Gear Syn PAO
Fans Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	PETRONAS Grease LiX Syn 2/100
Fans Bearings (Oil)	Circulating Oil	PETRONAS Circula		PETRONAS Circula Syn
Separator Shaft Bearing	Gear Oil	PETRONAS Gear MEP (3)	PETRONAS Gear FL	PETRONAS Gear Syn PAO
Auxiliary Diesel Engine	Engine Oil	PETRONAS Urania LD 7	PETRONAS Urania 5000E	PETRONAS Urania 7000E
Auxiliary Reducers	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
Cooling System	Coolant Fluid	PETRONAS Paraflu 11	PETRONAS Paraflu Up Ready	
Couplings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PE HS	
Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
Girth Gear	Grease		PETRONAS Grease LiCa TMG	
Electric Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
Electric Motor Bearings (Oil)	Circulating Oil	PETRONAS Grease LI 2 PETRONAS Circula		PETRONAS Circula Syn
Support Roller Bearing	Circulating Oil	PETRONAS Circula		PETRONAS Circula Syn
	-	PETRONAS Circula		
Thrust Bearing	Circulating Oil		DETRONAS Crosso DU	PETRONAS Circula Syn
Fans Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	PETRONAS Grease LiX Syn 2/200
Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO
Motor Bearings	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
Sprocket Bearings	Grease	PETRONAS Grease Li EP 2		PETRONAS Grease LiX Syn 2/220
Blowers	Circulating Oil	PETRONAS Circula		PETRONAS Circula Syn
Blowers / Gears	Gear Oil	PETRONAS Gear MEP (3)	PETRONAS Gear FL	PETRONAS Gear Syn PAO
Compressor	Air Compressor Oil	PETRONAS Compressor A M 2	PETRONAS Compressor A M 4	PETRONAS Compressor A PAO
	Grease	PETRONAS Grease Li 2	PETRONAS Grease PU	
Electric Motor Bearings	Hydraulic Fluid	PETRONAS Hydraulic	PETRONAS Hydraulic HV	PETRONAS Hydraulic ESF
Electric Motor Bearings Hydraulic System		-	PETRONAS Grease PU	-
2	Grease	PETRONAS Grease Li 2	FLINONAJ GIEdaje FO	
Hydraulic System Electric Motor Bearings				PETRONAS Gear Svn PAO
Hydraulic System Electric Motor Bearings Gearbox / Reducer	Gear Oil	PETRONAS Gear MEP <sup>(3)</sup>	PETRONAS Gear FL	PETRONAS Gear Syn PAO PETRONAS Hydraulic ESF
Hydraulic System Electric Motor Bearings				PETRONAS Gear Syn PAO PETRONAS Hydraulic ESF PETRONAS Grease LiX Syn 2/460