



FUEL PRODUCT TECHNICAL
DATA SHEET



GREEN, BUILD BY INNOVATIVE & SUSTAINABILITY

Company Introduction

We are a trusted business partner for more than 20 years of experience in Petroleum & Petrochemical industries across our home Malaysia and Asia countries like South Korea, China & South East Asia.

Our refining & distribution business were covered under approval of Malaysia Petroleum Development Act 1974 and recognized by various certificate include ISO 9001, ISO14001, OHSAS 18001 & ISCC (International Sustainability Carbon Certificate).

We have in-depth knowledge of the market and long term relationships with our client & partner to continue on product and technology development. Our company always trust that Innovative and continuous improvement is the only way to sustain the business. We work closely with global large oil company, reputable international trading company and end consumers.



Petroleum
Refining License



KPDNKK
Petroleum Product
Distribution License

Product Introduction

Our fuel oil for use in boilers and other equipment for generating heat and energy in manufacturing operations and processes. It can help improve the reliability and the performance of the entire boiler system, from the storage tank right to the chimney.

Compared to typical recycled fuel oil. Savings may vary with type and operating condition of the equipment/boiler and are based on customer experience. In some cases, customers have achieved higher fuel efficiency or reduction in particulate emissions and black smoke.



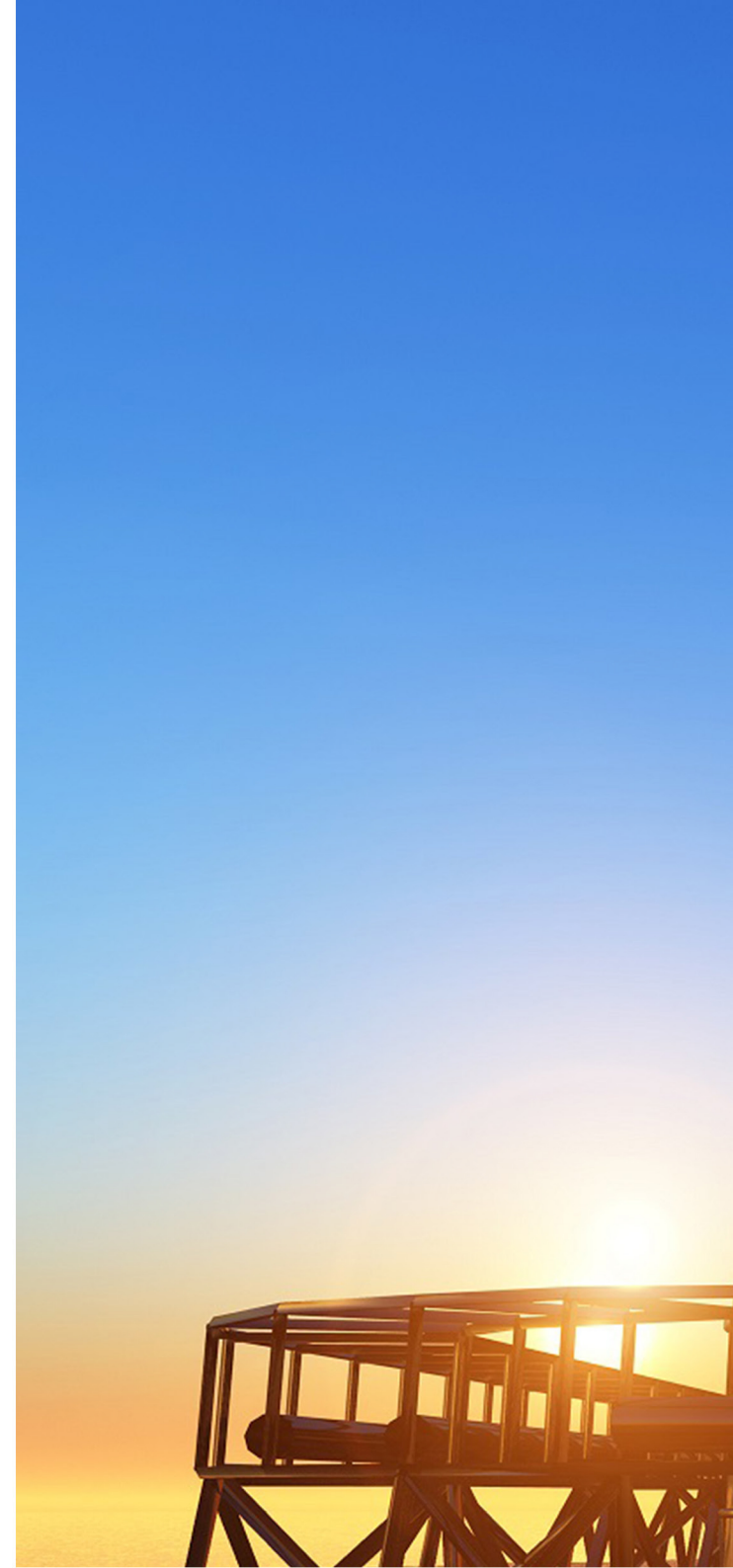


Distillate Fuel Product Technical Specification

Parameter	Unit	Limit	Diesel	DMB	DMC
Appearance	visual	-	Clear & Bright	Clear & Bright	Clear
Density at 15°C	lt/kg	max	0.89	0.90	0.92
Viscosity 40°C	cst	max	6	11	14
Calorific value	kJ/kg	min	44000	43000	43000
Water	%	max	0.1	0.1	0.1
Sulfur	%	max	0.5	0.5	0.5
Ash	%	max	0.01	0.01	0.05
Flash point	°C	min	60	60	60
Total sediment	%	max	0.1	0.1	0.1
Vanadium	mg/kg	max	100	100	100
Aluminium + Silicon	mg/kg	max	25	25	25

Residual Fuel Product Technical Specification

Parameter	Unit	Limit	LFO 80	MFO 180	LFO 20
Appearance	visual	-	Black	Black	Black
Density at 15°C	lt/kg	max	0.991	0.991	0.991
Viscosity 50°C	cst	max	80	180	20
Calorific value	kJ/kg	min	41500	41500	41500
Calorific value	kJ/ltr	min	37500	37500	37500
Water	%	max	0.5	0.5	0.5
Sulfur	%	max	2.5	2.5	2.5
Ash	%	max	0.10	0.10	0.10
Flash point	°C	min	60	60	60
Total sediment	%	max	0.10	0.10	0.10
Vanadium	mg/kg	max	350	350	350
Aluminium + Silicon	mg/kg	max	80	80	80







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