

Aldwich Canada Ltd. is the representing agent for the Aldwich WODIP Technology.

Aldwich Canada seeks collectors of significant volumes of used oil who wish to produce value added products.

ALDWICH CAN OFFER:

- Basic feasibility service
- Basic engineering package
- Licensing of GNP Process
- Licensing of ROBYS™ Process
- Process control system software
- Start up and commissioning assistance
- HazOp participation service

TEST	METHOD	TYPICAL ALDWICH DIESEL	ALDWICH DIESEL SPECIFICATION	ISO 8217 SPECIFICATION GRADE DMA
Water Content (%vol)	ASTM D 95	< 0.05	max 0.05	-
Viscosity (mm ² /s @ T°C)	ASTM D 445	2.78 @ 40	1.5 - 5.8 @ 40	1.5 to 6.0
Density (g/cm ³ @ T°C)	ASTM D 4052	0.8322 @ 15	0.820 - 0.890 @ 15	max. 0.89
Specific gravity	-	0.8322	0.820 - 0.890	-
Flash Point (°C)	ASTM D 93	75.5	min 60	min. 60
ASTM Colour	ASTM D 1500	L 2.0	max 2.5	clear and bright
Pour Point (°C)	ASTM D 97	< -20	max -15	0 (summer) to - 6 (winter)
Cetane Index	ASTM D 976	54.0	min 45	min. 40
Micro Carbon Residue (%wt)	ASTM D 4530	< 0.01	max 0.2	-
Sediment by Extraction (%wt)	ASTM D 473	0.01	max 0.01	-
Ash (%wt)	ASTM D 482	< 0.01	max 0.01	max. 0.01
Distillation at 90% Recovery (°C)	ASTM D 86	329	max 330	-
Total Sulfur (%wt)	ASTM D 4294	0.24	0.3	1.5



Waste Oil to Diesel Process

WODIP

Conversion of Used Lubricants to Diesel Fuel and Other Products



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Advantages of the WODIP technology:

- Thermal cracking process developed by Great Northern Processing Inc., USA (GNP Process) Licensed plants operating in Belgium and Malaysia
- Effective stabilization of diesel fuel by the patented ROBYS™ Process
- A commercial scale, 30,000 tonne per year capacity plant operating in Malaysia
- Refinery calibre design
- WODIP converts used lubricants to diesel fuel and other products
- The diesel product exceeds requirements for Marine Gasoil as per ISO 8217 specification for marine fuels
- WODIP middle distillate product can be blended with Heavy Fuel Oil to produce Marine Diesel Oil.
- Other feedstock materials can be co-processed
 - reduced crude oil from topping refineries
 - waxy crude oil tank bottoms



WODIP Plant • Process Flowchart

