

Exdo-4

EXDO-4 stands for DAO Extract which describes the process and raw materials of the oil. While Figure 4 illustrates the refinery that produces processing oil, RU RU IV Cilacap. EXDO-4 is a RAE type processing oil produced by Pertamina. Processing oil is one of the ingredients for making tire treads. The composition of processing oil is 20% Non-Carcinogenic, the total Polyaromatic Hydrocarbon (PAH) content is < 10 ppm. PAH analysis was carried out by the Biochemical Institute for Environmental Carcinogens, Germany. REACH Certification No. registration 01-2119488175-30-0023, European Standard which determines that a product can be accepted in the European market if the product is non-carcinogenic so it can be said that EXDO-4 meets international standards.

Product Specification

NO	PARAMETER		EXDO - 4	
			MIN	MAX
1.	Specific Gravity		0.95	1.00
2.	Viscosity, Kinematic at 100°C	mm ² /s	40	50
3.	Viscosity, Kinematic at 40°C	mm ² /s	1000	3000
4.	Refractive Index at 20°C		1.54	1.60
5.	Viscosity Gravity Constant		0.8600	0.9500
6.	Sulfur Content	mass %		7
7.	Flash Point COC	°C	210	
8.	Aniline Point	°C		85
9.	Carbon Type			
	Aromatic Ring Carbons	mass %	25	
	Naphthenic Ring Carbons	mass %	Reported	
	Paraffinic Chain Carbons	mass %	Reported	
10.	Polycyclic Aromatics	mass %	To be reported	
11.	Benzo(a) pyrena	mass ppm	< 1	
12.	Σ PAH	mass ppm	< 10	