

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
19 July 2001 (19.07.2001)

PCT

(10) International Publication Number
WO 01/51595 A1

(51) International Patent Classification⁷: **C10M 141/06**,
141/08

1705 Willowbrook Crescent, Sarnia, Ontario N7S 5P3
(CA). **NADASDI, Todd, Timothy**; 1505 Larchmont
Place, Mount Laurel, NJ 08054 (US).

(21) International Application Number: PCT/US01/00599

(22) International Filing Date: 9 January 2001 (09.01.2001)

(74) Agents: **ALLOCCA, Joseph, J.** et al.; ExxonMobil Re-
search and Engineering Company, P.O. Box 900, Annan-
dale, NJ 08801 (US).

(25) Filing Language: English

(81) Designated States (*national*): CA, JP, SG.

(26) Publication Language: English

(30) Priority Data:
09/483,695 14 January 2000 (14.01.2000) US

(84) Designated States (*regional*): European patent (AT, BE,
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,
NL, PT, SE, TR).

(71) Applicant: **EXXONMOBIL RESEARCH AND ENGI-
NEERING COMPANY** [US/US]; P.O. Box 900, 1545
Route 22 East, Annandale, NJ 08801 (US).

Published:
— with international search report

(72) Inventors: **BUTLER, Kevin, David**; 928 Hay Court,
Sarnia, Ontario N7S 3G7 (CA). **MILLER, Alison, Fiona**;

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*



WO 01/51595 A1

(54) Title: INDUSTRIAL OILS OF ENHANCED RESISTANCE TO OXIDATION

(57) Abstract: A lubricating oil formulation containing a major amount of a base oil of lubricating viscosity and a minor amount of additives comprising a combination of phenyl naphthyl amine, dimercaptothiadiazole or derivative thereof, and triazole or benzotriazole or derivative thereof, exhibiting enhanced resistance to oxidation.