

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
26 June 2025 (26.06.2025)



(10) International Publication Number
WO 2025/136866 A1

(51) International Patent Classification:

G01N 1/40 (2006.01) G01N 33/28 (2006.01)
G01N 33/30 (2006.01) G01N 1/44 (2006.01)

(21) International Application Number:

PCT/US2024/060332

(22) International Filing Date:

16 December 2024 (16.12.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/613,802 22 December 2023 (22.12.2023) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,

(54) Title: METHODS OF MEASURING EFFECTS OF FINE FILTRATION CONDITIONS ON LUBRICANT DEFOAM RETENTION PROPERTIES

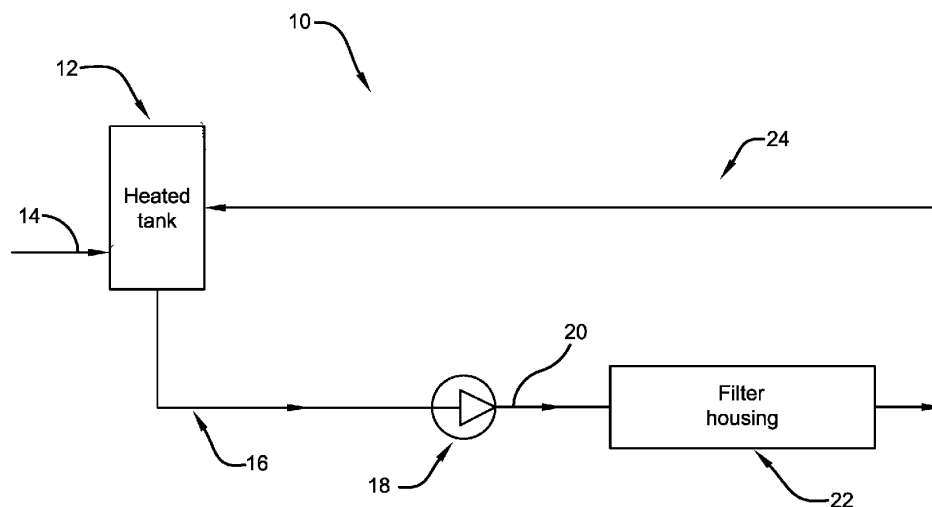


FIG. 1

(57) Abstract: Test methods for assessing lubricant performance, including defoaming and filter-ability, are disclosed. The methods include the utilization of a filtration test rig comprising a heated tank equipped with a temperature sensor and wherein the heated tank is fluidly connected to a circulating pump and a filter housing equipped with a filter having a pore size equal to or less than 25 microns. The heated tank is then filled with the lubricant to at least 50% capacity and the lubricant is heated to at least 80 °C. The lubricant is then circulated through the filtration test rig using the circulation pump so that the lubricant passes through the 25-micron (or less) filter at least 5,000 times. A sample of the filtered lubricant is then obtained and its defoam properties are measured using ASTM D892.

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NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

— *with international search report (Art. 21(3))*